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FAN/COMPRESSOR NOISE RESEARCH

Volume IV - Compilation of Test Data (II)

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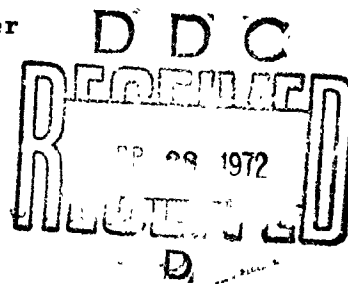
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FINAL REPORT

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16. Abstract Mechanisms of fan/compressor noise generation, transmission, radiation and propagation were physically defined and mathematically described in terms of functional relationships between acoustic, geometric and aerodynamic parameters. Based on these mechanisms, analytical and semi-empirical predictions of pure tone, broadband and multiple pure tone fan/compressor noise were established in terms of sound power spectra, directivity indices and the resultant sound pressure spectra. Test data on a variety of fan and compressor vehicles were used to verify the basic prediction techniques and to study the impact of specific design parameters upon fan/compressor noise, including vane-blade spacing, vane and blade numbers, tip speed, blade loading, rotor sweep, inlet guide vanes and vane lean. Effects of refraction on tone directivities were measured and compared with expectations. Propagation of acoustic waves were studied, with specific experiments conducted to investigate ground reflection phase factor and atmospheric absorption at high frequencies. The prediction systems were summarized in terms of flow charts and tables. Volumes I and II contain a detailed discussion of the experimentation and analysis. Volumes III and IV are a compilation of the acoustic test data in the form of computer print-out sheets		
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ABSTRACT

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Test data on a variety of fan and compressor vehicles were used to verify the basic prediction techniques and to study the impact of specific design parameters upon fan/compressor noise, including vane-blade spacing, vane and blade numbers, tip speed, blade loading, rotor sweep, inlet guide vanes and vane lean. Effects of refraction on tone directivities were measured and compared with expectations. Propagation of acoustic waves were studied, with specific experiments conducted to investigate ground reflection phase factor and atmospheric absorption at high frequencies.

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VOLUME IV

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INTRODUCTION - APPENDICES D-E

Appendices D-E contain the processed data from each test vehicle configuration, in the form of the computer print-out sheet. The acoustic data presented on these sheets consists of 1/3 octave sound pressure level at each angle and 1/3 octave sound power level for frequencies of 50 to 10K Hz, overall sound pressure level and perceived noise level at each angle, overall sound power level, and the directivity index. A detailed explanation of the terminology is presented in the following pages. All data has been corrected for standard day atmospheric absorption conditions. The data for D/V III (Appendices D-E) is at both a 250 foot and a 150 foot radius.

LEGEND - APPENDICES

The printouts in Appendices D-E are easily interpreted with the assistance of the pertinent nomenclature explanations. Basically, these are as follows:

RADIAL, RADIAL DISTANCE	Arc distance in feet
VEHICLE	Engine identification
CONFIG	Engine configuration
LOC	Test Location - Peebles Proving Grounds (P.P.G.)
T/D, DATE	Date of test - month/day/year
R/D	Date of Reduction of Data month/day/year
RUN	Engine run number
RDG	Number of each reading for particular run
BAR, BAR PRESSURE	Barometric Pressure in inches of mercury
TAMB, AMBIENT TEMP (°F)	Dry Bulb Ambient Temperature, degrees Fahrenheit
TWET, WET-BULB TEMP	Wet Bulb Ambient Temperature, degrees Fahrenheit
HACT, ABS. HUMIDITY	Absolute humidity in grams per cubic meter
SPEED	Physical Fan Speed in revolutions per minute
CRPM	Fan speed corrected for Standard Day Temperature of 59°F
TAPE	Tape reel number on which acoustic data was recorded

Other nomenclature on each printout is explained as follows:

FREQ	Column heading for listing of 1/3 octave band center frequencies from 50 Hz to 10 KHz
ANGLES FROM INLET	Fifteen columns for each of the microphone positions. Position in degrees is listed with position in radians in parenthesis.
STANDARD DAY	All data is corrected to atmospheric absorption conditions of standard day [59°F (288.15)] 70% relative humidity
PWL	Sound power level
OASPL MEASURED	Overall sound pressure level measured with a broadband (0 -- 40 KHz) filter
OASPL CALCULATED	Log summation of SPL's for each 1/3 octave band, for that particular measurement angle
OAPWL	Overall sound power level calculated by summation of power level spectra from 50 Hz to 10 KHz
PNdB	Perceived Noise Level (Reference SAE ARP 855)
DIRECTIVITY INDEX	Directivity Index, defined as the sound pressure level at a particular position and frequency minus the spaced average sound pressure level at that frequency

APPENDIX D

DATA FROM D/V III, IGV's 9° OPEN

(REF. VOLUME I SECTION V)

RADIAL DISTANCE 250

PAGE: 1

DATE: 6/25/77

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET										150.0	140.0	130.0	120.0	110.0	100.0	90.0	80.0	70.0	60.0	50.0	40.0	30.0	20.0	10.0	0.0	
	5.0	10.0	15.0	20.0	25.0	30.0	35.0	40.0	45.0	50.0																	
50	65.92	64.97	66.36	62.48	61.97	63.62	63.88	64.03	65.74	68.43	66.38	67.93	70.33	122.0													
52	64.29	61.11	74.08	61.76	61.12	62.62	69.70	63.71	61.35	68.66	66.25	67.92	69.30	128.3													
54	64.52	62.84	63.84	61.27	63.18	63.08	64.39	66.84	66.62	68.26	65.21	68.79	123.9														
56	64.05	63.64	61.43	64.25	62.61	64.19	64.96	65.51	65.91	67.51	67.89	68.59	123.4														
58	64.05	74.54	62.67	63.82	64.38	68.11	68.74	64.82	67.27	68.38	68.51	68.84	122.0														
60	62.73	62.46	63.51	63.73	63.76	65.34	68.63	67.22	67.18	67.89	67.88	68.89	124.0														
62	65.52	61.82	66.26	62.87	63.42	64.19	62.92	65.28	66.57	66.61	68.25	68.64	123.8														
64	68.43	59.66	68.49	68.85	68.49	62.63	63.14	63.39	64.17	63.24	65.45	65.01	121.2														
66	68.17	64.25	65.45	63.71	61.39	61.21	62.48	61.63	62.91	68.34	61.74	68.94	128.2														
68	68.34	69.42	68.39	67.87	66.81	65.86	66.34	67.39	68.94	67.35	70.81	67.16	122.1														
70	72.57	73.92	71.74	72.87	71.02	71.39	70.89	71.88	72.61	74.37	72.89	71.95	130.8														
72	72.22	73.56	70.52	72.16	71.39	72.05	72.11	71.53	74.22	74.64	75.17	72.89	131.4														
74	74.64	76.78	77.75	75.87	73.98	72.81	71.68	71.47	73.19	74.43	73.59	73.26	127.1														
76	79.88	81.99	79.53	79.89	74.44	77.88	78.08	73.84	77.89	78.03	80.87	78.35	127.1														
78	76.23	78.68	79.19	77.84	74.93	78.28	74.18	74.59	77.46	78.91	78.86	76.19	122.7														
80	78.68	78.82	79.13	77.51	74.36	75.94	73.31	74.35	75.54	78.37	77.38	72.87	128.0														
82	75.78	76.64	77.67	74.81	77.06	75.99	76.38	77.86	77.64	74.19	75.25	72.81	128.3														
84	84.17	83.19	78.36	81.89	82.87	80.75	81.82	83.34	84.44	77.98	83.57	78.48	128.0														
86	78.73	80.35	74.59	79.44	74.87	77.99	77.59	77.57	81.18	79.48	81.22	75.98	130.4														
88	76.81	78.79	78.67	76.85	75.36	75.71	74.34	77.14	77.38	81.46	79.68	72.59	130.8														
90	79.98	79.89	79.46	78.28	77.52	76.63	78.35	81.36	86.86	81.88	78.36	74.82	141.7														
92	76.48	75.82	74.31	74.92	73.41	74.72	72.83	74.51	75.68	73.19	76.95	72.43	132.0														
94	75.48	74.88	73.25	73.11	73.46	73.75	74.38	75.61	74.58	76.83	73.14	72.78	140.2														
96	99.29	91.22	89.09	89.58	88.32	88.94	88.12	89.96	91.47	98.01	91.11	87.40	149.4														
98	89.39	99.07	88.66	83.39	87.43	87.87	87.32	88.94	98.46	89.43	98.01	84.56	147.1														
100	104.5	104.4	101.9	102.6	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5	100.5														

D2

MEASURED CASPL	149.6
CALC LATED CASPL	
PNDB	

MEASURED GASPL
CALC LATED GASPL
PNOB
OAPMLI 149.4
AMBIENT TEMP 30.82
WET-BULB TEMP 30.82
BAR. PRESSURE 20.71
AIR HUMIDITY 3.912

FAIRWAY COMPRESSOR - PHASE 5B + 5C LOVS 9 DEG OPEN YAD 2017720

SY 113 RUG 124 SPEED 5000

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

	7.2	12.2	20.2	40.2	50.2	60.2	72.2	80.2	90.2	100.0	110.0	120.0	130.2	140.2	150.0	160.0	170.0	180.0	190.0	200.0
7500	-191	1.227	-2.76	-3.19	-1.56	-1.29	-1.56	-1.29	-1.56	-1.29	-1.56	-1.29	-1.56	-1.29	-1.56	-1.29	-1.56	-1.29	-1.56	-1.29
3117	-6.36	7.200	-5.71	-6.36	-4.85	-4.85	-6.36	-4.85	-6.36	-4.85	-6.36	-4.85	-6.36	-4.85	-6.36	-4.85	-6.36	-4.85	-6.36	-4.85
3141	-2.09	-1.09	-2.95	-3.06	-1.75	-1.09	-1.75	-1.09	-1.75	-1.09	-1.75	-1.09	-1.75	-1.09	-1.75	-1.09	-1.75	-1.09	-1.75	-1.09
102	-1.09	-1.09	-1.09	-2.73	-2.14	-1.37	-2.73	-2.14	-1.37	-2.73	-2.14	-1.37	-2.73	-2.14	-1.37	-2.73	-2.14	-1.37	-2.73	-2.14
3112	7.084	-1.79	-3.63	-3.06	-3.34	-1.71	-1.71	-3.34	-1.71	-1.71	-3.34	-1.71	-1.71	-3.34	-1.71	-1.71	-3.34	-1.71	-1.71	-3.34
3104	-4.11	-3.06	-2.03	-2.01	-1.40	-0.81	-0.81	-1.40	-0.81	-0.81	-1.40	-0.81	-0.81	-1.40	-0.81	-0.81	-1.40	-0.81	-0.81	-1.40
3101	-3.04	-2.43	-2.37	-2.32	-1.25	-0.96	-0.96	-1.25	-0.96	-0.96	-1.25	-0.96	-0.96	-1.25	-0.96	-0.96	-1.25	-0.96	-0.96	-1.25
2609	7.957	2.474	-2.37	-1.94	-1.369	-0.935	-0.935	-1.369	-0.935	-0.935	-1.369	-0.935	-0.935	-1.369	-0.935	-0.935	-1.369	-0.935	-0.935	-1.369
1769	0.827	2.474	-2.37	-1.94	-1.369	-0.935	-0.935	-1.369	-0.935	-0.935	-1.369	-0.935	-0.935	-1.369	-0.935	-0.935	-1.369	-0.935	-0.935	-1.369
1549	1.828	1.809	1.809	1.809	1.809	1.809	1.809	1.809	1.809	1.809	1.809	1.809	1.809	1.809	1.809	1.809	1.809	1.809	1.809	1.809
7283	2.052	-1.01	-0.203	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21	-0.21
321	1.223	-1.03	-1.77	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92	-0.92
6444	2.937	3.001	2.201	0.471	-1.75	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12	-2.12
1.092	4.016	1.610	1.000	-1.43	-0.25	-0.24	-0.24	-0.24	-0.24	-0.24	-0.24	-0.24	-0.24	-0.24	-0.24	-0.24	-0.24	-0.24	-0.24	-0.24
1222	1.928	2.420	1.700	-2.23	-0.78	-0.78	-0.78	-0.78	-0.78	-0.78	-0.78	-0.78	-0.78	-0.78	-0.78	-0.78	-0.78	-0.78	-0.78	-0.78
1032	2.807	3.11	1.409	-1.06	-0.9	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71	-0.71
2532	1.448	1.806	1.437	-0.23	-1.40	-1.04	-0.950	-0.950	-0.950	-0.950	-0.950	-0.950	-0.950	-0.950	-0.950	-0.950	-0.950	-0.950	-0.950	-0.950
3130	1.106	-3.64	-0.14	-0.78	-1.25	-0.981	-0.981	-0.981	-0.981	-0.981	-0.981	-0.981	-0.981	-0.981	-0.981	-0.981	-0.981	-0.981	-0.981	-0.981
472	2.243	-3.69	1.186	-3.31	-1.92	-0.99	-0.99	-0.99	-0.99	-0.99	-0.99	-0.99	-0.99	-0.99	-0.99	-0.99	-0.99	-0.99	-0.99	-0.99
520	0.274	-0.91	1.006	-1.48	-1.06	-0.43	-0.43	-0.43	-0.43	-0.43	-0.43	-0.43	-0.43	-0.43	-0.43	-0.43	-0.43	-0.43	-0.43	-0.43
532	1.717	0.466	-2.41	-2.09	-1.08	-0.89	-0.89	-0.89	-0.89	-0.89	-0.89	-0.89	-0.89	-0.89	-0.89	-0.89	-0.89	-0.89	-0.89	-0.89
1.800	1.781	1.949	0.216	-0.707	-0.604	-0.09	-0.09	-0.09	-0.09	-0.09	-0.09	-0.09	-0.09	-0.09	-0.09	-0.09	-0.09	-0.09	-0.09	-0.09
1.458	0.156	-1.772	-1.913	-1.566	1.725	3.260	3.260	3.260	3.260	3.260	3.260	3.260	3.260	3.260	3.260	3.260	3.260	3.260	3.260	3.260

D3

AIRPORT TEMP 32.00
METEOROLOG TEMP 32.00
BAR PRESSURE 28.76
WIND VELOCITY 3.042

DATA FILE PRESREC = PRARE JB * 20 1045 9 DEG OPEN T/D 2/17/70

COUNTS 006124 SPEED=5012

DATE: 11/7/77

PAGE: 1

RADIAL DISTANCE 250

SPACE PRESSURE LEVELS REDUCED AT STANDARD DAY

	10.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7	17.7	18.7	19.7	20.7	21.7	22.7	23.7	24.7	25.7	26.7	27.7	28.7	29.7	30.7	31.7	32.7	33.7	34.7	35.7	36.7	37.7	38.7	39.7	40.7	41.7	42.7	43.7	44.7	45.7	46.7	47.7	48.7	49.7	50.7	51.7	52.7	53.7	54.7	55.7	56.7	57.7	58.7	59.7	60.7	61.7	62.7	63.7	64.7	65.7	66.7	67.7	68.7	69.7	70.7	71.7	72.7	73.7	74.7	75.7	76.7	77.7	78.7	79.7	80.7	81.7	82.7	83.7	84.7	85.7	86.7	87.7	88.7	89.7	90.7	91.7	92.7	93.7	94.7	95.7	96.7	97.7	98.7	99.7	100.7	101.7	102.7	103.7	104.7	105.7	106.7	107.7	108.7	109.7	110.7	111.7	112.7	113.7	114.7	115.7	116.7	117.7	118.7	119.7	120.7	121.7	122.7	123.7	124.7	125.7	126.7	127.7	128.7	129.7	130.7	131.7	132.7	133.7	134.7	135.7	136.7	137.7	138.7	139.7	140.7	141.7	142.7	143.7	144.7	145.7	146.7	147.7	148.7	149.7	150.7	151.7	152.7	153.7	154.7	155.7	156.7	157.7	158.7	159.7	160.7	161.7	162.7	163.7	164.7	165.7	166.7	167.7	168.7	169.7	170.7	171.7	172.7	173.7	174.7	175.7	176.7	177.7	178.7	179.7	180.7	181.7	182.7	183.7	184.7	185.7	186.7	187.7	188.7	189.7	190.7	191.7	192.7	193.7	194.7	195.7	196.7	197.7	198.7	199.7	200.7	201.7	202.7	203.7	204.7	205.7	206.7	207.7	208.7	209.7	210.7	211.7	212.7	213.7	214.7	215.7	216.7	217.7	218.7	219.7	220.7	221.7	222.7	223.7	224.7	225.7	226.7	227.7	228.7	229.7	230.7	231.7	232.7	233.7	234.7	235.7	236.7	237.7	238.7	239.7	240.7	241.7	242.7	243.7	244.7	245.7	246.7	247.7	248.7	249.7	250.7	251.7	252.7	253.7	254.7	255.7	256.7	257.7	258.7	259.7	260.7	261.7	262.7	263.7	264.7	265.7	266.7	267.7	268.7	269.7	270.7	271.7	272.7	273.7	274.7	275.7	276.7	277.7	278.7	279.7	280.7	281.7	282.7	283.7	284.7	285.7	286.7	287.7	288.7	289.7	290.7	291.7	292.7	293.7	294.7	295.7	296.7	297.7	298.7	299.7	300.7	301.7	302.7	303.7	304.7	305.7	306.7	307.7	308.7	309.7	310.7	311.7	312.7	313.7	314.7	315.7	316.7	317.7	318.7	319.7	320.7	321.7	322.7	323.7	324.7	325.7	326.7	327.7	328.7	329.7	330.7	331.7	332.7	333.7	334.7	335.7	336.7	337.7	338.7	339.7	340.7	341.7	342.7	343.7	344.7	345.7	346.7	347.7	348.7	349.7	350.7	351.7	352.7	353.7	354.7	355.7	356.7	357.7	358.7	359.7	360.7	361.7	362.7	363.7	364.7	365.7	366.7	367.7	368.7	369.7	370.7	371.7	372.7	373.7	374.7	375.7	376.7	377.7	378.7	379.7	380.7	381.7	382.7	383.7	384.7	385.7	386.7	387.7	388.7	389.7	390.7	391.7	392.7	393.7	394.7	395.7	396.7	397.7	398.7	399.7	400.7	401.7	402.7	403.7	404.7	405.7	406.7	407.7	408.7	409.7	410.7	411.7	412.7	413.7	414.7	415.7	416.7	417.7	418.7	419.7	420.7	421.7	422.7	423.7	424.7	425.7	426.7	427.7	428.7	429.7	430.7	431.7	432.7	433.7	434.7	435.7	436.7	437.7	438.7	439.7	440.7	441.7	442.7	443.7	444.7	445.7	446.7	447.7	448.7	449.7	450.7	451.7	452.7	453.7	454.7	455.7	456.7	457.7	458.7	459.7	460.7	461.7	462.7	463.7	464.7	465.7	466.7	467.7	468.7	469.7	470.7	471.7	472.7	473.7	474.7	475.7	476.7	477.7	478.7	479.7	480.7	481.7	482.7	483.7	484.7	485.7	486.7	487.7	488.7	489.7	490.7	491.7	492.7	493.7	494.7	495.7	496.7	497.7	498.7	499.7	500.7	501.7	502.7	503.7	504.7	505.7	506.7	507.7	508.7	509.7	510.7	511.7	512.7	513.7	514.7	515.7	516.7	517.7	518.7	519.7	520.7	521.7	522.7	523.7	524.7	525.7	526.7	527.7	528.7	529.7	530.7	531.7	532.7	533.7	534.7	535.7	536.7	537.7	538.7	539.7	540.7	541.7	542.7	543.7	544.7	545.7	546.7	547.7	548.7	549.7	550.7	551.7	552.7	553.7	554.7	555.7	556.7	557.7	558.7	559.7	560.7	561.7	562.7	563.7	564.7	565.7	566.7	567.7	568.7	569.7	570.7	571.7	572.7	573.7	574.7	575.7	576.7	577.7	578.7	579.7	580.7	581.7	582.7	583.7	584.7	585.7	586.7	587.7	588.7	589.7	590.7	591.7	592.7	593.7	594.7	595.7	596.7	597.7	598.7	599.7	600.7	601.7	602.7	603.7	604.7	605.7	606.7	607.7	608.7	609.7	610.7	611.7	612.7	613.7	614.7	615.7	616.7	617.7	618.7	619.7	620.7	621.7	622.7	623.7	624.7	625.7	626.7	627.7	628.7	629.7	630.7	631.7	632.7	633.7	634.7	635.7	636.7	637.7	638.7	639.7	640.7	641.7	642.7	643.7	644.7	645.7	646.7	647.7	648.7	649.7	650.7	651.7	652.7	653.7	654.7	655.7	656.7	657.7	658.7	659.7	660.7	661.7	662.7	663.7	664.7	665.7	666.7	667.7	668.7	669.7	670.7	671.7	672.7	673.7	674.7	675.7	676.7	677.7	678.7	679.7	680.7	681.7	682.7	683.7	684.7	685.7	686.7	687.7	688.7	689.7	690.7	691.7	692.7	693.7	694.7	695.7	696.7	697.7	698.7	699.7	700.7	701.7	702.7	703.7	704.7	705.7	706.7	707.7	708.7	709.7	710.7	711.7	712.7	713.7	714.7	715.7	716.7	717.7	718.7	719.7	720.7	721.7	722.7	723.7	724.7	725.7	726.7	727.7	728.7	729.7	730.7	731.7	732.7	733.7	734.7	735.7	736.7	737.7	738.7	739.7	740.7	741.7	742.7	743.7	744.7	745.7	746.7	747.7	748.7	749.7	750.7	751.7	752.7	753.7	754.7	755.7	756.7	757.7	758.7	759.7	760.7	761.7	762.7	763.7	764.7	765.7	766.7	767.7	768.7	769.7	770.7	771.7	772.7	773.7	774.7	775.7	776.7	777.7	778.7	779.7	780.7	781.7	782.7	783.7	784.7	785.7	786.7	787.7	788.7	789.7	790.7	791.7	792.7	793.7	794.7	795.7	796.7	797.7	798.7	799.7	800.7	801.7	802.7	803.7	804.7	805.7	806.7	807.7	808.7	809.7	810.7	811.7	812.7	813.7	814.7	815.7	816.7	817.7	818.7	819.7	820.7	821.7	822.7	823.7	824.7	825.7	826.7	827.7	828.7	829.7	830.7	831.7	832.7	833.7	834.7	835.7	836.7	837.7	838.7	839.7	840.7	841.7	842.7	843.7	844.7	845.7	846.7	847.7	848.7	849.7	850.7	851.7	852.7	853.7	854.7	855.7	856.7	857.7	858.7	859.7	860.7	861.7	862.7	863.7	864.7	865.7	866.7	867.7	868.7	869.7	870.7	871.7	872.7	873.7	874.7	875.7	876.7	877.7	878.7	879.7	880.7	881.7	882.7	883.7	884.7	885.7	886.7	887.7	888.7	889.7	890.7	891.7	892.7	893.7	894.7	895.7	896.7	897.7	898.7	899.7	900.7	901.7	902.7	903.7	904.7	905.7	906.7	907.7	908.7	909.7	910.7	911.7	912.7	913.7	914.7	915.7	916.7	917.7	918.7	919.7	920.7	921.7	922.7	923.7	924.7	925.7	926.7	927.7	928.7	929.7	930.7	931.7	932.7	933.7	934.7	935.7	936.7	937.7	938.7	939.7	940.7	941.7	942.7	943.7	944.7	945.7	946.7	947.7	948.7	949.7	950.7	951.7	952.7	953.7	954.7	955.7	956.7	957.7	958.7	959.7	960.7	961.7	962.7	963.7	964.7	965.7	966.7	967.7	968.7	969.7	970.7	971.7	972.7	973.7	974.7	975.7	976.7	977.7	978.7	979.7	980.7	981.7	982.7	983.7	984.7	985.7	986.7	987.7	988.7	989.7	990.7	991.7	992.7	993.7	994.7	995.7	996.7	997.7	998.7	999.7	1000.7	1001.7	1002.7	1003.7	1004.7	1005.7	1006.7	1007.7	1008.7	1009.7	1010.7	1011.7	1012.7	1013.7	1014.7	1015.7	1016.7	1017.7	1018.7	1019.7	1020.7	1021.7	1022.7	1023.7	1024.7	1025.7	1026.7	1027.7	1028.7	1029.7	1030.7	1031.7	1032.7	1033.7	1034.7	1035.7	1036.7	1037.7	1038.7	1039.7	1040.7	1041.7	1042.7	1043.7	1044.7	1045.7	1046.7	1047.7	1048.7	1049.7	1050.7	1051.7	1052.7	1053.7	1054.7	1055.7	1056.7	1057.7	1058.7	1059.7	1060.7	1061.7	1062.7	1063.7	1064.7	1065.7	1066.7	1067.7	1068.7	1069.7	1070.7	1071.7	1072.7	1073.7	1074.7	1075.7	1076.7	1077.7	1078.7	1079.7	1080.7	1081.7	1082.7	1083.7	1084.7	1085.7	1086.7	1087.7	1088.7	1089.7	1090.7	1091.7	1092.7	1093.7	1094.7	1095.7	1096.7	1097.7	1098.7	1099.7	1100.7	1101.7	1102.7	1103.7	1104.7	1105.7	1106.7	1107.7	1108.7	1109.7	1110.7	1111.7	1112.7	1113.7	1114.7	1115.7	1116.7	1117.7	1118.7	1119.7	1120.7	1121.7	1122.7	1123.7	1124.7	1125.7	1126.7	1127.7	1128.7	1129.7	1130.7	1131.7	1132.7	1133.7	1134.7	1135.7	1136.7	1137.7	1138.7	1139.7	1140.7	1141.7	1142.7	1143.7	1144.7	1145.7	1146.7	1147.7	1148.7	1149.7	1150.7	1151.7	1152.7	1153.7	1154.7	1155.7	1156.7	1157.7	1158.7	1159.7	1160.7	1161.7	1162.7	1163.7	1164.7	1165.7	1166.7	1167.7	1168.7	1169.7	1170.7	1171.7	1172.7	1173.7	1174.7	1175.7	1176.7	1177.7	1178.7	1179.7	1180.7	1181.7	1182.7	1183.7	1184.7	1185.7	1186.7	1187.7	1188.7	1189.7	1190.7	1191.7	1192.7	1193.7	1194.7	1195.7	1196.7	1197.7	1198.7	1199.7	1200.7	1201.7	1202.7	1203.7	1204.7	1205.7	1206.7	1207.7	1208.7
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SOUND PRESSURE LEVELS - DIRECTIVITY INDEX									
ANGLES FROM 1 - 90°									
20	15	10	5	0	5	10	15	20	25
2793	-0.55	-1.73	-3.05	-3.27	-2.27	-0.53	1.47	0.56	2.02
-3.41	-0.92	5.97	-5.13	-5.65	-4.49	1.14	-3.27	-4.74	1.17
-4.41	-3.89	3.52	-3.54	-3.63	-1.39	-1.17	-6.31	1.21	1.82
-4.93	-3.71	-4.58	-1.01	-3.29	-1.87	-1.71	-0.42	0.82	1.65
-3.41	5.38	-5.15	-0.42	-3.27	-2.12	-1.76	-0.89	0.83	1.35
-4.09	-4.45	-3.86	-3.05	-2.74	-2.19	-0.29	0.82	2.14	2.87
-1.93	-4.12	-5.73	-2.24	-2.11	-0.84	-0.53	-1.78	1.26	1.99
-1.99	-3.82	-3.29	-1.88	-1.86	-1.12	-0.78	0.87	1.83	2.51
2.77	7.18	2.39	-2.55	-3.61	-1.93	0.75	-1.09	1.38	-0.46
1.67	0.34	2.73	1.09	-1.73	-2.87	-0.92	-1.25	-0.92	1.82
0.61	1.55	1.21	0.96	-1.09	1.49	-1.44	-0.99	0.83	0.35
1.32	1.54	-1.24	0.33	-1.41	0.32	-1.36	-1.19	0.12	0.15
-1.29	0.79	-1.94	-0.26	-0.88	-2.32	-0.40	-0.28	1.75	2.20
-2.27	3.18	4.18	1.42	-0.52	-2.63	-2.08	-2.33	-0.65	0.63
-7.31	3.53	1.23	1.83	-1.03	-1.36	-1.45	-2.45	-2.65	1.73
-8.64	1.16	1.78	2.85	-2.29	-4.39	-2.23	-1.89	1.99	2.62
-1.25	2.79	3.29	1.96	0.72	0.82	-2.23	-1.82	0.87	2.18
-1.76	0.34	2.19	-0.39	2.45	-1.73	1.39	1.83	1.47	-1.23
-1.27	1.02	-5.76	-1.11	-1.39	-1.57	0.77	1.21	5.81	-3.19
-1.52	3.25	-5.28	3.13	-3.40	-0.81	0.41	-0.96	5.22	-3.19
-2.23	-4.93	-5.27	-0.47	-1.66	-1.63	-2.89	3.66	2.45	4.18
7.35	1.76	7.45	-0.45	-1.74	-1.63	-0.77	0.43	4.32	1.97
2.77	3.12	0.42	0.25	-0.59	-1.17	-1.05	-0.73	2.91	-0.11
2.33	1.71	-0.74	-0.16	0.71	-0.81	0.88	-1.16	1.42	1.94
1.67									

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2/27/70	32.22
2/27/70	32.22
2/27/70	26.74
2/27/70	3.312
SOUND PRESSURE LEVELS - PHASE 55 - 70 10VS 9 100 OPEA T/C 2/17/70	
2/27/70	32.22
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2/27/70	3.312

DATE: 6/25/77

PAGE: 1

RADIAL DISTANCE 250

SOIL PRESSURE LEVELS REDUCED AT STANDARD DAY

	17.2	20.2	23.2	26.2	29.2	32.2	35.2	38.2	41.2	44.2	47.2	50.2	53.2	56.2	59.2	62.2	65.2	68.2	71.2	74.2	77.2	80.2	83.2	86.2	89.2	92.2	95.2	98.2	101.2	104.2	107.2	110.2	113.2	116.2	119.2	122.2	125.2	128.2	131.2	134.2	137.2	140.2	143.2	146.2	149.2	152.2	155.2	158.2	161.2	164.2	167.2	170.2	173.2	176.2	179.2	182.2	185.2	188.2	191.2	194.2	197.2	200.2	203.2	206.2	209.2	212.2	215.2	218.2	221.2	224.2	227.2	230.2	233.2	236.2	239.2	242.2	245.2	248.2	251.2	254.2	257.2	260.2	263.2	266.2	269.2	272.2	275.2	278.2	281.2	284.2	287.2	290.2	293.2	296.2	299.2	302.2	305.2	308.2	311.2	314.2	317.2	320.2	323.2	326.2	329.2	332.2	335.2	338.2	341.2	344.2	347.2	350.2	353.2	356.2	359.2	362.2	365.2	368.2	371.2	374.2	377.2	380.2	383.2	386.2	389.2	392.2	395.2	398.2	401.2	404.2	407.2	410.2	413.2	416.2	419.2	422.2	425.2	428.2	431.2	434.2	437.2	440.2	443.2	446.2	449.2	452.2	455.2	458.2	461.2	464.2	467.2	470.2	473.2	476.2	479.2	482.2	485.2	488.2	491.2	494.2	497.2	500.2	503.2	506.2	509.2	512.2	515.2	518.2	521.2	524.2	527.2	530.2	533.2	536.2	539.2	542.2	545.2	548.2	551.2	554.2	557.2	560.2	563.2	566.2	569.2	572.2	575.2	578.2	581.2	584.2	587.2	590.2	593.2	596.2	599.2	602.2	605.2	608.2	611.2	614.2	617.2	620.2	623.2	626.2	629.2	632.2	635.2	638.2	641.2	644.2	647.2	650.2	653.2	656.2	659.2	662.2	665.2	668.2	671.2	674.2	677.2	680.2	683.2	686.2	689.2	692.2	695.2	698.2	701.2	704.2	707.2	710.2	713.2	716.2	719.2	722.2	725.2	728.2	731.2	734.2	737.2	740.2	743.2	746.2	749.2	752.2	755.2	758.2	761.2	764.2	767.2	770.2	773.2	776.2	779.2	782.2	785.2	788.2	791.2	794.2	797.2	800.2	803.2	806.2	809.2	812.2	815.2	818.2	821.2	824.2	827.2	830.2	833.2	836.2	839.2	842.2	845.2	848.2	851.2	854.2	857.2	860.2	863.2	866.2	869.2	872.2	875.2	878.2	881.2	884.2	887.2	890.2	893.2	896.2	899.2	902.2	905.2	908.2	911.2	914.2	917.2	920.2	923.2	926.2	929.2	932.2	935.2	938.2	941.2	944.2	947.2	950.2	953.2	956.2	959.2	962.2	965.2	968.2	971.2	974.2	977.2	980.2	983.2	986.2	989.2	992.2	995.2	998.2	1001.2	1004.2	1007.2	1010.2	1013.2	1016.2	1019.2	1022.2	1025.2	1028.2	1031.2	1034.2	1037.2	1040.2	1043.2	1046.2	1049.2	1052.2	1055.2	1058.2	1061.2	1064.2	1067.2	1070.2	1073.2	1076.2	1079.2	1082.2	1085.2	1088.2	1091.2	1094.2	1097.2	1100.2	1103.2	1106.2	1109.2	1112.2	1115.2	1118.2	1121.2	1124.2	1127.2	1130.2	1133.2	1136.2	1139.2	1142.2	1145.2	1148.2	1151.2	1154.2	1157.2	1160.2	1163.2	1166.2	1169.2	1172.2	1175.2	1178.2	1181.2	1184.2	1187.2	1190.2	1193.2	1196.2	1199.2	1202.2	1205.2	1208.2	1211.2	1214.2	1217.2	1220.2	1223.2	1226.2	1229.2	1232.2	1235.2	1238.2	1241.2	1244.2	1247.2	1250.2	1253.2	1256.2	1259.2	1262.2	1265.2	1268.2	1271.2	1274.2	1277.2	1280.2	1283.2	1286.2	1289.2	1292.2	1295.2	1298.2	1301.2	1304.2	1307.2	1310.2	1313.2	1316.2	1319.2	1322.2	1325.2	1328.2	1331.2	1334.2	1337.2	1340.2	1343.2	1346.2	1349.2	1352.2	1355.2	1358.2	1361.2	1364.2	1367.2	1370.2	1373.2	1376.2	1379.2	1382.2	1385.2	1388.2	1391.2	1394.2	1397.2	1400.2	1403.2	1406.2	1409.2	1412.2	1415.2	1418.2	1421.2	1424.2	1427.2	1430.2	1433.2	1436.2	1439.2	1442.2	1445.2	1448.2	1451.2	1454.2	1457.2	1460.2	1463.2	1466.2	1469.2	1472.2	1475.2	1478.2	1481.2	1484.2	1487.2	1490.2	1493.2	1496.2	1499.2	1502.2	1505.2	1508.2	1511.2	1514.2	1517.2	1520.2	1523.2	1526.2	1529.2	1532.2	1535.2	1538.2	1541.2	1544.2	1547.2	1550.2	1553.2	1556.2	1559.2	1562.2	1565.2	1568.2	1571.2	1574.2	1577.2	1580.2	1583.2	1586.2	1589.2	1592.2	1595.2	1598.2	1601.2	1604.2	1607.2	1610.2	1613.2	1616.2	1619.2	1622.2	1625.2	1628.2	1631.2	1634.2	1637.2	1640.2	1643.2	1646.2	1649.2	1652.2	1655.2	1658.2	1661.2	1664.2	1667.2	1670.2	1673.2	1676.2	1679.2	1682.2	1685.2	1688.2	1691.2	1694.2	1697.2	1700.2	1703.2	1706.2	1709.2	1712.2	1715.2	1718.2	1721.2	1724.2	1727.2	1730.2	1733.2	1736.2	1739.2	1742.2	1745.2	1748.2	1751.2	1754.2	1757.2	1760.2	1763.2	1766.2	1769.2	1772.2	1775.2	1778.2	1781.2	1784.2	1787.2	1790.2	1793.2	1796.2	1799.2	1802.2	1805.2	1808.2	1811.2	1814.2	1817.2	1820.2	1823.2	1826.2	1829.2	1832.2	1835.2	1838.2	1841.2	1844.2	1847.2	1850.2	1853.2	1856.2	1859.2	1862.2	1865.2	1868.2	1871.2	1874.2	1877.2	1880.2	1883.2	1886.2	1889.2	1892.2	1895.2	1898.2	1901.2	1904.2	1907.2	1910.2	1913.2	1916.2	1919.2	1922.2	1925.2	1928.2	1931.2	1934.2	1937.2	1940.2	1943.2	1946.2	1949.2	1952.2	1955.2	1958.2	1961.2	1964.2	1967.2	1970.2	1973.2	1976.2	1979.2	1982.2	1985.2	1988.2	1991.2	1994.2	1997.2	2000.2	2003.2	2006.2	2009.2	2012.2	2015.2	2018.2	2021.2	2024.2	2027.2	2030.2	2033.2	2036.2	2039.2	2042.2	2045.2	2048.2	2051.2	2054.2	2057.2	2060.2	2063.2	2066.2	2069.2	2072.2	2075.2	2078.2	2081.2	2084.2	2087.2	2090.2	2093.2	2096.2	2099.2	2102.2	2105.2	2108.2	2111.2	2114.2	2117.2	2120.2	2123.2	2126.2	2129.2	2132.2	2135.2	2138.2	2141.2	2144.2	2147.2	2150.2	2153.2	2156.2	2159.2	2162.2	2165.2	2168.2	2171.2	2174.2	2177.2	2180.2	2183.2	2186.2	2189.2	2192.2	2195.2	2198.2	2201.2	2204.2	2207.2	2210.2	2213.2	2216.2	2219.2	2222.2	2225.2	2228.2	2231.2	2234.2	2237.2	2240.2	2243.2	2246.2	2249.2	2252.2	2255.2	2258.2	2261.2	2264.2	2267.2	2270.2	2273.2	2276.2	2279.2	2282.2	2285.2	2288.2	2291.2	2294.2	2297.2	2300.2	2303.2	2306.2	2309.2	2312.2	2315.2	2318.2	2321.2	2324.2	2327.2	2330.2	2333.2	2336.2	2339.2	2342.2	2345.2	2348.2	2351.2	2354.2	2357.2	2360.2	2363.2	2366.2	2369.2	2372.2	2375.2	2378.2	2381.2	2384.2	2387.2	2390.2	2393.2	2396.2	2399.2	2402.2	2405.2	2408.2	2411.2	2414.2	2417.2	2420.2	2423.2	2426.2	2429.2	2432.2	2435.2	2438.2	2441.2	2444.2	2447.2	2450.2	2453.2	2456.2	2459.2	2462.2	2465.2	2468.2	2471.2	2474.2	2477.2	2480.2	2483.2	2486.2	2489.2	2492.2	2495.2	2498.2	2501.2	2504.2	2507.2	2510.2	2513.2	2516.2	2519.2	2522.2	2525.2	2528.2	2531.2	2534.2	2537.2	2540.2	2543.2	2546.2	2549.2	2552.2	2555.2	2558.2	2561.2	2564.2	2567.2	2570.2	2573.2	2576.2	2579.2	2582.2	2585.2	2588.2	2591.2	2594.2	2597.2	2600.2	2603.2	2606.2	2609.2	2612.2	2615.2	2618.2	2621.2	2624.2	2627.2	2630.2	2633.2	2636.2	2639.2	2642.2	2645.2	2648.2	2651.2	2654.2	2657.2	2660.2	2663.2	2666.2	2669.2	2672.2	2675.2	2678.2	2681.2	2684.2	2687.2	2690.2	2693.2	2696.2	2699.2	2702.2	2705.2	2708.2	2711.2	2714.2	2717.2	2720.2	2723.2	2726.2	2729.2	2732.2	2735.2	2738.2	2741.2	2744.2	2747.2	2750.2	2753.2	2756.2	2759.2	2762.2	2765.2	2768.2	2771.2	2774.2	2777.2	2780.2	2783.2	2786.2	2789.2	2792.2	2795.2	2798.2	2801.2	2804.2	2807.2	2810.2	2813.2	2816.2	2819.2	2822.2	2825.2	2828.2	2831.2	2834.2	2837.2	2840.2	2843.2	2846.2	2849.2	2852.2	2855.2	2858.2	2861.2	2864.2	2867.2	2870.2	2873.2	2876.2	2879.2	2882.2	2885.2	2888.2	2891.2	2894.2	2897.2	2900.2	2903.2	2906.2	2909.2	2912.2	2915.2	2918.2	2921.2	2924.2	2927.2	2930.2	2933.2	2936.2	2939.2	2942.2	2945.2	2948.2	2951.2	2954.2	2957.2	2960.2	2963.2	2966.2	2969.2	2972.2	2975.2	2978.2	2981.2	2984.2	2987.2	2990.2	2993.2	2996.2	2999.2	3002.2	3005.2	3008.2	3011.2	3014.2	3017.2	3020.2	3023.2	3026.2	3029.2	3032.2	3035.2	3038.2	3041.2	3044.2	3047.2	3050.2	3053.2	3056.2	3059.2	3062.2	3065.2	3068.2	3071.2	3074.2	3077.2	3080.2	3083.2	3086.2	3089.2	3092.2	3095.2	3098.2	3101.2	3104.2	3107.2	3110.2	3113.2	3116.2	3119.2	3122.2	3125.2	3128.2	3131.2	3134.2	3137.2	3140.2	3143.2	3146.2	3149.2	3152.2	3155.2	3158.2	3161.2	3164.2	3167.2	3170.2	3173.2	3176.2	3179.2	3182.2	3185.2	3188.2	3191.2	3194.2	3197.2	3200.2	3203.2	3206.2	3209.2	3212.2	3215.2	3218.2	3221.2	3224.2	3227.2	3230.2	3233.2	3236.2	3239.2	3242.2	3245.2	3248.2	3251.2	3254.2	3257.2	3260.2	3263.2	3266.2	3269.2	3272.2	3275.2	3278.2	3281.2	3284.2	3287.2	3290.2	3293.2	3296.2	3299.2	3302.2	3305.2	3308.2	3311.2	3314.2	3317.2	3320.2	3323.2	3326.2	3329.2	3332.2	3335.2	3338.2	3341.2	3344.2	3347.2	3350.2	3353.2	3356.2	3359.2	3362.2	3365.2	3368.2	3371.2	3374.2	3377.2	3380.2	3383.2	3386.2	3389.2	3392.2	3395.2	3398.2	3401.2	3404.2	3407.2	3410.2	3413.2	3416.2	3419.2	3422.2	3425.2	3428.2	3431.2	3434.2</
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DATE: 2/25/77

RADIAL DISTANCE 250

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLE	2.0	12.0	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	(PWL)
5	-1.53	-1.53	-1.53	-1.53	-1.53	-1.53	-1.53	-1.53	-1.53	-1.53	-1.53	-1.53	-1.53	-1.53	-1.53	-1.53	0.736
63	-4.45	-5.82	-5.26	-4.27	-5.27	-4.99	-6.06	-2.44	-1.89	-5.82	-1.22	2.075	5.098				
87	-1.72	-4.42	-3.46	-3.32	-3.26	-1.51	-1.41	-6.48	1.322	1.687	2.935	4.289	5.408				
122	-5.33	-4.22	-4.92	-2.18	-3.29	-1.51	-1.22	-2.15	1.511	2.041	3.125	3.464	4.313				
125	-4.93	-4.477	-5.13	-3.34	-3.74	-2.43	-1.66	-1.998	1.478	1.521	2.189	3.172	4.674				
160	-4.77	-1.54	-3.99	-3.18	-3.08	-1.39	-1.34	-3.359	1.381	2.149	3.909	3.441	3.694				
200	-2.52	-4.72	-1.92	-3.45	-3.88	-0.18	-6.83	1.692	3.945	1.681	3.365	3.481	1.947				
257	-2.27	-5.18	-3.97	-4.17	-2.33	-1.35	-0.12	0.138	1.337	0.372	3.231	4.219	3.761				
315	2.235	3.378	2.372	-1.91	-1.59	-2.29	-5.928	-5.19	1.928	0.873	4.922	0.787	1.097				
421	1.438	1.914	2.101	1.887	-1.92	-0.57	-7.73	-1.42	1.388	1.409	2.879	1.324	0.916				
587	1.874	1.556	1.858	2.291	-1.56	-4.19	-1.38	-6.62	4.889	1.178	3.507	0.938	3.11				
632	1.044	1.638	1.389	1.797	-1.48	-0.99	-5.07	-1.19	0.391	1.481	2.689	0.358	3.40				
872	-1.31	1.532	-1.22	-1.86	-2.57	-1.76	-3.477	-7.57	1.395	2.131	2.411	2.168	0.99				
1212	1.293	2.368	3.843	1.322	-1.46	-2.27	-1.53	-2.05	0.893	1.393	4.398	1.082	1.16				
1254	1.648	3.974	1.913	1.332	-1.24	-1.77	-1.38	-2.81	0.242	1.649	2.298	0.69	7.29				
1882	-1.33	3.339	1.352	1.883	-2.87	-1.24	-1.64	-2.29	7.243	3.649	2.802	-1.34	0.43				
2087	-1.38	2.372	3.496	1.082	-7.28	0.332	-2.37	-2.28	-3.98	2.273	1.382	-0.48	8.78				
2527	-1.32	3.222	2.282	-2.83	2.413	-1.69	1.458	1.816	1.434	-0.85	-4.94	-4.92	5.87				
3157	0.644	-2.81	-4.18	-1.38	-2.38	1.49	4.541	1.336	3.321	-1.28	1.533	-3.91	4.79				
4227	-1.53	1.198	-6.45	-0.81	-3.43	3.751	1.829	-1.93	2.314	2.789	2.286	-3.38	8.38				
5287	-2.56	-1.14	-0.626	-1.93	-1.46	-2.31	-2.38	1.137	0.991	4.735	3.126	-5.82	8.97				
6300	-1.00	-1.64	1.399	-1.37	-7.93	-1.45	5.153	1.191	3.387	2.294	2.256	-4.73	5.36				
8372	1.674	1.241	-4.11	1.239	-1.77	-1.37	1.264	-1.54	3.321	-1.44	2.478	-3.17	3.54				
12242	1.938	1.742	-5.34	1.192	0.358	-1.38	2.571	1.297	1.333	2.686	0.446	-3.65	1.96				

D7

AIR-ENT. TEMP. 32.08
AIR-ENT. TEMP. 30.80
AIR PRESSURE 28.76
AIR DENSITY 3.912

FAA FAV/COMPRESSOR - PHASE 5B + 5C INVS 9 DEG OPEN T/D 2/177W

FAV-13 PL-5412P SPEED 5750

EXPOSED PRESSURE LEVELS REGISTER AT STANDARD DAY

ANGLES FROM LEFT	
2.2	6.2
3.1	72.3
4.2	87.1
5.2	92.2
6.2	100.0
7.2	110.0
8.2	120.0
9.2	130.0
10.2	140.0
11.2	150.0
12.2	160.0
13.2	170.0

1	28.5	55.18	53.49	66.79	66.22	67.33	67.47	69.44	71.89	72.15	71.59	73.24	75.64	327.0
2	46.3	65.28	74.83	66.67	68.93	66.81	70.99	66.98	70.99	72.02	72.36	74.29	76.96	328.0
3	64.5	65.29	65.83	66.54	66.26	67.95	68.42	69.28	71.33	71.44	72.76	74.06	75.40	329.0
4	67.65	68.24	67.59	69.09	68.72	71.17	71.28	72.94	74.56	75.96	76.72	77.76	78.80	330.0
5	77.3	74.04	65.34	68.26	68.51	69.12	70.82	70.93	72.98	73.02	74.31	75.26	76.33	331.0
6	65.39	66.22	65.91	67.83	67.53	69.34	70.87	70.49	72.88	72.88	73.76	74.68	75.57	332.0
7	67.84	64.99	66.24	66.64	69.96	72.25	70.23	70.89	71.86	72.66	73.36	74.28	75.08	333.0
8	43.31	61.33	67.41	61.74	64.72	65.39	66.57	67.48	68.33	67.65	69.98	71.24	71.65	334.0
9	65.69	64.69	65.54	62.39	63.38	62.39	65.19	65.22	66.74	64.73	64.97	66.83	67.37	335.0
10	60.5	66.59	60.32	65.08	64.59	64.95	65.28	64.45	65.37	67.85	67.80	68.27	68.66	336.0
11	71.73	72.79	71.73	71.22	68.16	72.42	69.69	68.69	70.16	71.08	74.91	71.68	70.64	337.0
12	75.22	76.99	75.69	76.83	76.36	75.36	74.86	74.37	75.84	76.88	78.13	75.84	75.86	338.0
13	76.24	78.26	75.36	76.27	75.73	74.82	76.67	75.98	76.57	77.71	78.78	76.64	75.29	339.0
14	76.45	77.12	70.81	75.03	73.61	73.69	74.92	74.35	76.04	77.67	76.05	76.69	76.99	340.0
15	81.95	84.45	83.82	82.48	79.57	78.63	78.91	77.98	79.95	81.92	82.78	79.72	79.35	341.0
16	79.43	81.74	81.46	81.28	78.95	81.79	79.68	78.49	82.58	85.31	84.19	79.78	79.32	342.0
17	78.93	82.49	83.64	81.77	79.94	80.25	77.25	76.26	79.51	82.16	80.77	75.47	75.37	343.0
18	78.45	79.77	81.66	79.13	82.82	78.57	81.25	82.34	82.12	79.67	79.87	75.17	74.88	344.0
19	83.19	82.94	79.49	80.82	83.31	82.58	83.67	84.88	87.16	88.17	84.72	78.66	77.62	345.0
20	95.19	86.28	81.91	80.85	82.23	80.59	85.91	86.83	90.46	86.66	86.34	82.69	81.13	346.0
21	79.39	79.08	82.59	81.17	83.76	79.67	79.64	81.83	90.46	86.66	86.34	82.69	81.13	347.0
22	80.99	81.16	81.69	79.11	86.18	76.86	1.88	82.62	84.53	84.18	81.36	77.81	78.93	348.0
23	82.92	82.38	79.83	88.99	78.26	78.65	1.85	88.54	81.53	79.89	83.84	78.27	78.86	349.0
24	77.05	76.55	75.25	75.95	75.46	74.94	6.55	76.26	79.88	81.81	77.08	73.82	73.67	350.0

Test Case

QAPHL: 153.6

[illegible]

PHASE 5B + 5C 1613 9 DEG CPEA 7/0 2/17/70

PROCESSES

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RADIAL DISTANCE 250

SOUND PRESSURE LEVELS (SPECTRALITY INDEX)

	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
51	-4.72	-1.03	-1.32	-3.02	-3.79	-2.73	-2.34	-3.73	1.284	1.353	1.589	3.727	6.828							
63	-4.65	-5.67	3.676	-4.26	-5.02	-4.14	1.342	-1.97	-0.951	1.067	1.409	3.346	6.889							
75	-5.76	-5.71	-3.97	-3.27	-3.34	-1.83	-1.42	-3.22	1.428	1.635	2.956	4.333	5.596							
87	-5.63	-5.68	-5.54	-3.24	-4.41	-1.95	-1.64	-1.92	1.271	2.038	3.589	4.329	4.749							
99	-4.68	3.223	-5.37	-3.43	-3.70	-2.59	-1.72	-1.78	1.967	1.382	2.481	3.337	5.113							
111	-5.23	-4.41	-4.71	-3.99	-3.09	-1.29	-3.54	-1.26	1.913	2.199	3.135	3.889	5.948							
123	-2.67	-5.41	-2.51	-3.67	-3.52	-2.30	-2.75	-4.19	1.173	2.134	2.851	3.773	2.173							
135	-2.08	-5.46	-5.34	-4.45	-3.47	-1.39	-2.18	1.636	1.742	1.610	3.194	4.456	3.667							
147	1.359	1.383	1.388	-2.73	-1.15	-2.13	1.639	1.683	2.232	1.821	4.431	2.959	2.519							
159	2.233	1.696	2.348	-1.39	-2.43	-1.97	-1.36	-1.97	-0.932	1.840	1.809	2.232	1.841							
171	8.235	1.873	8.629	2.882	1.77	1.84	-1.23	-1.23	-1.303	1.691	3.989	1.551	12.88							
183	-1.7	1.661	3.979	1.06	1.966	1.987	-4.73	1.963	5.132	1.234	2.006	1.995	-3.33							
195	-4.52	1.778	-1.11	-3.18	-1.70	-1.87	1.874	-3.03	1.683	2.224	2.292	-0.86	-2.20							
207	1.555	1.424	2.311	1.280	-1.89	-2.01	-1.71	1.35	1.240	1.971	9.513	9.994	-1.95							
219	-4.41	3.921	2.494	1.919	1.963	-1.09	-1.62	-2.55	-5.576	1.300	2.232	-3.81	-6.18							
231	-1.37	5.415	2.642	1.900	-2.25	1.976	-3.51	-2.69	1.195	4.118	2.989	-2.03	-8.18							
243	-1.44	2.436	3.535	1.939	1.897	2.162	-2.78	-1.77	1.93	2.868	1.324	-4.98	-5.27							
255	-1.49	3.70	1.887	-1.02	2.471	-1.54	1.694	2.190	1.878	-4.81	1.203	-4.98	-5.27							
267	1.958	-1.68	3.681	-1.896	1.289	-1.324	1.694	1.786	4.385	-2.93	1.625	-4.98	-5.27							
279	-2.17	-1.21	-1.89	-4.64	1.496	4.32	2.429	-1.647	2.754	4.139	1.4937	1.785	-3.87	-3.45						
291	-2.84	-1.12	6.151	-1.87	-1.06	-2.43	1.664	1.334	3.281	1.075	2.794	-5.82	-6.81							
303	1.192	1.277	1.189	1.197	1.669	-1.08	-1.875	1.148	2.218	1.637	3.349	-3.45	-3.87							
315	1.936	-1.368	-1.67	-3.87	-1.45	-1.97	-3.66	-1.650	2.985	4.892	1.981	-3.89	-4.24							

D9

32.00
1.00
30.76
3.612

PHASE DB + PC INVS 9 DEG OPEN T/D 2/17/76

2. 5120 SPECTRUM

DATE: 3/23/70

RADIAL DISTANCE 250

PAGE 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET									
	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0
50	69.69	69.45	69.24	69.06	68.90	68.77	68.64	68.53	68.42	68.30
63	67.28	66.22	64.76	62.87	60.58	57.90	54.93	51.68	48.15	44.35
80	64.97	63.64	61.95	59.90	56.50	52.75	48.65	44.20	39.50	34.55
100	62.69	61.49	59.67	57.57	54.15	49.40	44.20	38.55	32.55	26.30
125	60.84	59.79	57.84	55.67	51.25	45.50	39.30	32.65	25.65	18.35
160	58.93	58.09	56.11	53.87	48.45	41.70	34.50	26.85	18.85	10.55
200	57.92	57.27	55.27	52.97	46.55	38.80	30.60	22.05	13.15	4.85
250	56.27	55.78	53.75	51.40	44.00	35.25	26.05	16.50	7.50	-1.85
315	54.67	54.37	52.32	49.95	41.55	31.80	21.60	11.05	1.05	-9.55
400	53.16	52.96	50.89	48.50	39.10	28.35	17.15	5.15	-5.55	-16.85
500	51.63	51.53	49.45	46.95	36.55	24.80	12.60	-0.40	-10.40	-23.15
630	50.08	50.08	47.99	45.40	34.00	21.75	9.55	-8.45	-17.45	-30.45
800	48.53	48.53	46.44	43.85	31.45	18.40	5.20	-12.80	-21.80	-37.75
1000	46.97	46.97	44.88	42.29	28.95	14.95	0.75	-16.25	-25.25	-45.05
1250	45.42	45.42	43.33	40.74	26.40	11.50	-3.20	-19.60	-28.60	-52.35
1600	43.86	43.86	41.77	39.18	23.85	8.05	-7.75	-22.95	-31.95	-59.65
2000	42.31	42.31	40.22	37.63	21.30	4.60	-11.10	-26.25	-35.25	-66.95
2500	40.75	40.75	38.66	36.08	18.75	1.15	-14.35	-29.55	-38.55	-74.25
3150	39.20	39.20	37.11	34.53	16.20	-2.30	-17.60	-32.85	-41.85	-81.55
4000	37.64	37.64	35.55	32.98	13.65	-5.75	-20.90	-36.15	-45.15	-88.85
5000	36.09	36.09	34.00	31.43	11.10	-9.20	-24.20	-39.45	-48.45	-96.15
6300	34.53	34.53	32.44	29.88	8.55	-12.65	-27.50	-42.75	-51.75	-103.45
8000	32.98	32.98	30.89	28.33	6.00	-16.10	-30.80	-46.05	-55.05	-110.75
10000	31.43	31.43	29.34	26.78	3.45	-19.55	-33.95	-49.35	-58.35	-118.05
12500	29.88	29.88	27.79	25.23	0.90	-23.00	-37.10	-52.65	-61.65	-125.35
16000	28.33	28.33	26.24	23.68	-1.65	-26.45	-40.25	-55.95	-64.95	-132.65
20000	26.78	26.78	24.69	22.13	-4.10	-29.90	-43.40	-59.25	-68.25	-139.95
25000	25.23	25.23	23.14	20.58	-6.55	-33.35	-46.55	-62.55	-71.55	-147.25
31500	23.68	23.68	21.59	19.03	-9.00	-36.80	-49.70	-65.85	-74.85	-154.55
40000	22.13	22.13	20.04	17.48	-11.45	-40.25	-52.85	-69.15	-78.15	-161.85
50000	20.58	20.58	18.49	15.93	-13.90	-43.70	-55.90	-72.45	-81.45	-169.15
63000	19.03	19.03	16.94	14.38	-16.35	-47.15	-58.95	-75.75	-84.75	-176.45
80000	17.48	17.48	15.39	12.83	-18.80	-50.60	-62.00	-79.05	-88.05	-183.75
100000	15.93	15.93	13.84	11.28	-21.25	-54.05	-65.05	-82.35	-91.35	-191.05
125000	14.38	14.38	12.29	9.73	-23.70	-57.50	-68.10	-85.65	-94.65	-198.35
160000	12.83	12.83	10.74	8.18	-26.15	-60.95	-71.15	-88.95	-97.95	-205.65
200000	11.28	11.28	9.19	6.63	-28.60	-64.40	-74.20	-92.25	-101.25	-212.95
250000	9.73	9.73	7.64	5.08	-31.05	-67.85	-77.25	-95.55	-104.55	-220.25
315000	8.18	8.18	6.09	3.53	-33.50	-71.30	-80.30	-98.85	-107.85	-227.55
400000	6.63	6.63	4.54	1.98	-35.95	-74.75	-83.35	-102.15	-111.15	-234.85
500000	5.08	5.08	2.99	0.43	-38.40	-78.20	-86.40	-105.45	-114.45	-242.15
630000	3.53	3.53	1.44	-1.12	-40.85	-81.65	-89.45	-108.75	-117.75	-249.45
800000	1.98	1.98	-0.43	-2.67	-43.30	-84.80	-92.50	-112.05	-121.05	-256.75
1000000	0.43	0.43	-2.02	-4.22	-45.75	-87.85	-95.55	-115.35	-124.35	-264.05
1250000	-1.12	-1.12	-3.57	-5.77	-48.20	-90.90	-98.60	-118.65	-127.65	-271.35
1600000	-2.67	-2.67	-5.02	-7.32	-50.65	-93.95	-101.65	-121.95	-130.95	-278.65
2000000	-4.22	-4.22	-6.57	-8.87	-53.10	-97.00	-104.70	-125.25	-134.25	-285.95
2500000	-5.77	-5.77	-8.02	-10.42	-55.55	-100.05	-107.75	-128.55	-137.55	-293.25
3150000	-7.32	-7.32	-9.57	-11.97	-58.00	-103.10	-110.80	-131.85	-140.85	-300.55
4000000	-8.87	-8.87	-11.12	-13.52	-60.45	-106.15	-113.85	-135.15	-144.15	-307.85
5000000	-10.42	-10.42	-12.67	-15.07	-62.90	-109.20	-116.90	-138.45	-147.45	-315.15
6300000	-11.97	-11.97	-14.22	-16.62	-65.35	-112.25	-120.00	-141.75	-150.75	-322.45
8000000	-13.52	-13.52	-15.77	-18.17	-67.80	-115.30	-123.05	-145.05	-154.05	-329.75
10000000	-15.07	-15.07	-17.32	-19.72	-70.25	-118.35	-126.10	-148.35	-157.35	-337.05
12500000	-16.62	-16.62	-18.87	-21.27	-72.70	-121.40	-129.15	-151.65	-160.65	-344.35
16000000	-18.17	-18.17	-20.42	-22.82	-75.15	-124.45	-132.20	-154.95	-163.95	-351.65
20000000	-19.72	-19.72	-21.97	-24.37	-77.60	-127.50	-135.25	-158.25	-167.25	-358.95
25000000	-21.27	-21.27	-23.52	-25.92	-80.05	-130.55	-138.30	-161.55	-170.55	-366.25
31500000	-22.82	-22.82	-25.07	-27.47	-82.50	-133.60	-141.35	-164.85	-173.85	-373.55
40000000	-24.37	-24.37	-26.62	-29.02	-84.95	-136.65	-144.40	-168.15	-177.15	-380.85
50000000	-25.92	-25.92	-28.17	-30.57	-87.40	-139.70	-147.45	-171.45	-180.45	-388.15
63000000	-27.47	-27.47	-29.72	-32.12	-89.85	-142.75	-150.50	-174.75	-183.75	-395.45
80000000	-29.02	-29.02	-31.27	-33.67	-92.30	-145.80	-153.55	-178.05	-187.05	-402.75
100000000	-30.57	-30.57	-32.82	-35.22	-94.75	-148.85	-156.60	-181.35	-190.35	-410.05
125000000	-32.12	-32.12	-34.37	-36.77	-97.20	-151.90	-159.65	-184.65	-193.65	-417.35
160000000	-33.67	-33.67	-35.92	-38.32	-99.65	-154.95	-162.70	-187.95	-196.95	-424.65
200000000	-35.22	-35.22	-37.47	-39.87	-102.10	-158.00	-165.75	-191.25	-200.25	-431.95
250000000	-36.77	-36.77	-39.02	-41.42	-104.55	-161.05	-168.80	-194.55	-203.55	-439.25
315000000	-38.32	-38.32	-40.57	-42.97	-107.00	-164.10	-171.85	-197.85	-206.85	-446.55
400000000	-39.87	-39.87	-42.12	-44.52	-109.45	-167.15	-174.90	-201.15	-210.15	-453.85
500000000	-41.42	-41.42	-43.67	-46.07	-111.90	-170.20	-177.95	-204.45	-213.45	-461.15
630000000	-42.97	-42.97	-45.22	-47.62	-114.35	-173.25	-181.00	-207.75	-216.75	-468.45
800000000	-44.52	-44.52	-46.77	-49.17	-116.80	-176.30	-184.05	-211.05	-220.05	-475.75
1000000000	-46.07	-46.07	-48.32	-50.72	-119.25	-179.35	-187.10	-214.35	-223.35	-483.05
1250000000	-47.62	-47.62	-49.87	-52.27	-121.70	-182.40	-190.15	-217.65	-226.65	-490.35
1600000000	-49.17	-49.17	-51.42	-53.82	-124.15	-185.45	-193.20	-220.95	-229.95	-497.65
2000000000	-50.72	-50.72	-52.97	-55.37	-126.60	-188.50	-196.25	-224.25	-233.25	-504.95
2500000000	-52.27	-52.27	-54.52	-56.92	-129.05	-191.55	-199.30	-227.55	-236.55	-512.25
3150000000	-53.82	-53.82	-56.07	-58.47	-131.50	-194.60	-202.35	-230.85	-239.85	-519.55
4000000000	-55.37	-55.37	-57.62	-60.02	-133.95	-197.65	-205.40	-234.15	-243.15	-526.85
5000000000	-56.92	-56.92	-59.17	-61.57	-136.40	-200.70	-208.45	-237.45	-246.45	-534.15
6300000000	-58.47	-58.47	-60.72	-63.12	-138.85	-203.75	-211.50	-240.75	-249.75	-541.45
8000000000	-60.02	-60.02	-62.27	-64.67	-141.30	-206.80	-214.55	-244.05	-253.05	-548.75
10000000000	-61.57	-61.57	-63.82	-66.22	-143.75	-209.85	-217.60	-247.35	-256.35	-556.05
12500000000	-63.12	-63.12	-65.37	-67.77	-146.20	-212.90	-220.65	-250.65	-259.65	-563.35
16000000000	-64.67	-64.67	-66.92	-69.32	-148.65	-215.95	-223.70	-253.95	-262.95	-570.65
20000000000	-66.22	-66.22	-68.47	-70.87	-151.10	-219.00	-226.75	-257.25	-266.25	-577.95
25000000000	-67.77	-67.77	-70.02	-72.42	-153.55	-222.05	-229.80	-260.55	-269.55	-585.25
31500000000	-69.32	-69.32	-71.57	-73.97	-156.00	-225.10	-232.85	-263.85	-272.85	-592.55
40000000000	-70.87	-70.87	-73.12	-75.52	-158.45	-228.15	-235.90	-267.15	-276.15	-599.85
50000000000	-72.42	-72.42	-74.67	-77.07	-160.90	-231.20	-238.95	-270.45	-279.45	-607.15
63000000000	-73.97	-73.97	-76.22	-78.62	-163.35	-234.25	-242.00	-273.75	-282.75	-614.45
80000000000	-75.52	-75.52	-77.77	-80.17	-165.80	-237.30	-245.05	-277.05	-286.05	-621.75
100000000000	-77.07	-77.07	-79.32	-81.72	-168.25	-240.35	-248.10	-280.35	-289.35	-629.05
125000000000	-78.62	-78.62	-80.87	-83.27	-170.70	-243.40	-251.15	-283.65	-292.65	-636.35
160000000000	-80.17	-80.17	-82.42	-84.82	-173.15	-246.45	-254.20	-286.95	-295.95	-643.65
200000000000	-81.72	-81.72	-83.97	-86.37	-175.60	-249.50	-257.25	-290.25	-299.25	-650.95
250000000000	-83.27	-83.27	-85.52	-87.92	-178.05	-252.55	-260.30	-293.55	-302.55	-658.25
315000000000	-84.82	-84.82	-87.07	-89.47	-180.50	-255.60	-263.35	-296.85	-305.85	-665.55

DATE: 3/23/72

RADIAL DISTANCE 250

PAGE 1 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET																	
	7.7	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	170.0 (PWL)	
50	-1.50	-1.75	-1.50	-2.32	-3.73	-2.75	-3.97	-5.12	-3.66	-2.42	1.00	3.00	7.29					
63	-4.40	-5.46	3.77	-3.41	-4.20	-3.36	-1.67	-2.95	-3.35	1.61	1.40	3.25	6.50					
80	-6.20	-6.43	-4.31	-3.91	-3.88	-1.63	-1.63	-0.75	-0.40	1.63	3.03	4.07	6.14					
100	-5.78	-4.08	-4.79	-2.62	-2.59	-1.28	-1.43	-0.76	-0.40	2.70	2.83	4.24	4.77					
125	-4.79	-2.15	-5.19	-3.52	-3.74	-1.96	-1.45	-0.76	-0.40	2.69	2.80	3.76	5.46					
160	-4.65	-4.08	-5.48	-3.05	-3.05	-1.47	-0.94	-0.40	-0.10	1.60	3.00	3.00	4.00					
200	-3.35	-3.99	-2.79	-2.37	-2.14	-1.18	-0.50	-0.10	1.60	1.60	3.00	3.00	4.00					
250	-3.32	-6.41	-5.08	-2.16	-3.56	-1.24	-0.80	-0.47	1.50	1.50	3.00	3.00	4.00					
315	1.55	1.66	1.50	-2.22	-1.07	-2.20	-1.02	-0.53	1.51	1.50	3.00	3.00	4.00					
400	2.50	1.74	2.70	1.42	2.04	-1.48	-1.20	-0.41	1.50	1.50	3.00	3.00	4.00					
500	1.34	2.34	1.39	1.67	1.12	-1.21	-1.39	-1.73	-0.44	0.20	3.00	3.00	4.00					
630	-5.10	1.13	-4.37	1.84	-1.07	-0.72	-1.91	-2.02	-0.70	0.25	3.00	3.00	4.00					
800	-2.77	-1.21	-2.38	-1.41	-1.07	-1.73	-0.14	-0.30	2.14	2.69	2.61	4.67	-6.25					
1000	3.04	2.80	3.13	1.71	-1.40	-2.58	-1.26	-1.03	1.51	1.72	1.71	1.05	-1.69					
1250	1.93	4.30	1.30	1.74	-0.12	-1.20	-0.63	-1.04	-0.50	1.10	2.23	-3.03	-0.42					
1600	-0.97	1.40	1.00	-0.41	-0.40	-1.03	-1.23	-0.82	1.10	2.14	3.10	-1.78	-0.59					
2000	3.03	2.34	2.50	1.02	-0.60	-0.80	-2.16	-1.37	-0.30	2.23	1.04	-1.30	-0.83					
2500	-2.17	0.04	1.40	-1.20	2.30	-1.07	1.14	2.30	1.03	-0.85	-1.87	-0.12	-0.34					
3150	-0.88	0.83	-4.06	-4.26	1.40	-1.06	1.77	2.10	1.10	-0.60	3.00	3.00	4.00					
4000	-2.01	1.64	-0.74	1.00	-3.20	2.10	1.04	1.96	2.10	-0.60	3.00	3.00	4.00					
5000	-2.10	-0.13	-0.39	-0.92	-1.15	-1.43	0.73	1.25	1.25	4.00	2.30	-4.07	-0.55					
6300	-0.27	-0.84	0.33	-2.02	-1.20	-1.01	3.27	2.30	3.10	3.10	3.10	3.10	4.00					
8000	0.58	3.12	-1.33	0.27	0.40	-0.60	-0.99	0.30	1.20	2.10	2.10	2.10	3.00					
10000	3.35	-3.69	-1.91	-2.83	-1.21	-1.01	1.11	0.71	3.41	4.34	4.34	4.34	5.00					

D11

D11

AMBIENT TEMP, 32.00
WET-BULB TEMP, 30.00
BAR. PRESSURE 30.76
ABS. HUMIDITY 5.912

FAA FAN/COMPRESSOR - PHASE 50 - 5C 10VS 9 DEG OPEN T/D 2/17/70

RUN#13 R09#132 SPEED#6200

RADIAL DISTANCE 250

PAGE 1, 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLE	ANGLES FROM INLET									
	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°
59	-1.75	-2.52	-2.38	-3.64	-3.93	-2.72	-2.72	-1.19	1.33	1.33
63	-4.24	-3.97	2.21	-3.33	-4.17	-3.26	-3.67	-1.04	1.224	1.703
67	-4.25	-5.21	-4.39	-4.02	-4.11	-1.89	-1.65	-1.04	1.151	1.896
71	-4.8	-3.63	-3.17	-2.43	-3.09	-2.43	-2.06	-1.03	1.303	1.534
75	-5.29	-3.42	-5.27	-3.78	-3.20	-2.00	-2.39	-1.22	1.515	1.346
79	-5.64	-4.89	-5.86	-4.08	-3.10	-1.57	-1.11	-1.20	1.453	2.136
83	-4.62	-6.55	-4.37	-4.54	-3.05	-2.13	-1.74	-0.89	1.176	2.319
87	-4.49	-6.68	-6.07	-4.25	-4.08	-2.14	-1.38	0.021	1.219	1.343
91	2.269	1.899	1.850	-1.27	-1.92	-2.53	-3.01	1.2789	1.179	1.551
95	2.644	1.153	2.748	2.384	-1.53	0.93	1.227	-1.78	0.828	0.481
99	1.109	1.697	0.836	0.236	-0.804	0.393	-1.226	-1.52	0.891	0.761
103	-1.198	1.335	-1.044	0.086	-0.826	0.086	1.282	1.308	0.404	0.749
107	-4.19	-9.29	-2.79	-0.855	-1.15	-1.98	0.586	-0.316	2.915	3.236
111	2.334	2.253	3.184	1.462	-1.49	-2.41	-1.40	-2.31	0.041	1.419
115	0.826	4.888	1.394	2.222	-2.11	-0.34	-1.38	-1.38	0.888	0.912
119	-1.27	3.561	4.444	-4.76	-2.92	-0.85	-1.74	-0.72	1.119	1.288
123	-1.03	1.721	2.556	1.916	2.333	1.316	-1.63	-2.83	-0.484	2.267
127	-2.14	-5.84	1.456	-1.18	2.591	-1.35	1.307	1.883	1.071	-0.553
131	-0.84	-4.89	-4.38	-1.89	2.423	-1.32	0.873	1.938	4.393	-1.18
135	-3.49	-5.63	-4.76	1.678	-2.82	1.381	1.439	-0.338	1.933	-1.1
139	-3.44	-1.22	-1.07	0.988	-1.12	-1.201	-1.282	0.561	1.419	4.393
143	-2.09	-1.92	-1.01	-2.44	-3.78	-1.03	0.364	2.521	3.461	3.473
147	-1.61	-7.13	-2.18	-2.74	3.951	-0.33	-1.12	2.269	2.358	0.767
151	-0.51	-8.19	-2.37	-1.62	-0.74	-0.72	1.383	0.190	2.798	1.088
155										2.146
159										-1.68

D13

FILE # 250 32.02
 PRESSURE 23.75
 DATE 1/1/77 3.912

FAA # A / COMPRESSOR - PHASE 25 + 50 IQUS 9 DEG OPEN T/D 2/17/77

NO. 213 805132 SPEED 6454

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RADIAL DISTANCE 250

DATE: 4/25/77

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	17.2	24.2	32.2	42.2	54.2	69.2	87.2	109.2	138.2	178.2	228.2	288.2	358.2	438.2	528.2	628.2	738.2	858.2	988.2	1128.2	1278.2	1438.2	1608.2	1788.2	1978.2	2178.2	2388.2	2608.2	2838.2	3078.2	3328.2	3588.2	3858.2	4138.2	4428.2	4728.2	5038.2	5358.2	5688.2	6028.2	6378.2	6738.2	7108.2	7488.2	7878.2	8278.2	8688.2	9108.2	9538.2	9978.2	10428.2	10888.2	11358.2	11838.2	12328.2	12828.2	13338.2	13858.2	14388.2	14928.2	15478.2	16038.2	16608.2	17188.2	17778.2	18378.2	18988.2	19608.2	20238.2	20878.2	21528.2	22188.2	22858.2	23538.2	24228.2	24928.2	25638.2	26358.2	27088.2	27828.2	28578.2	29338.2	30108.2	30888.2	31678.2	32478.2	33288.2	34108.2	34938.2	35778.2	36628.2	37488.2	38358.2	39238.2	40128.2	41028.2	41938.2	42848.2	43768.2	44688.2	45608.2	46538.2	47478.2	48428.2	49388.2	50348.2	51308.2	52268.2	53228.2	54188.2	55148.2	56108.2	57068.2	58028.2	58988.2	59948.2	60908.2	61868.2	62828.2	63788.2	64748.2	65708.2	66668.2	67628.2	68588.2	69548.2	70508.2	71468.2	72428.2	73388.2	74348.2	75308.2	76268.2	77228.2	78188.2	79148.2	80108.2	81068.2	82028.2	82988.2	83948.2	84908.2	85868.2	86828.2	87788.2	88748.2	89708.2	90668.2	91628.2	92588.2	93548.2	94508.2	95468.2	96428.2	97388.2	98348.2	99308.2	100268.2	101228.2	102188.2	103148.2	104108.2	105068.2	106028.2	106988.2	107948.2	108908.2	109868.2	110828.2	111788.2	112748.2	113708.2	114668.2	115628.2	116588.2	117548.2	118508.2	119468.2	120428.2	121388.2	122348.2	123308.2	124268.2	125228.2	126188.2	127148.2	128108.2	129068.2	130028.2	130988.2	131948.2	132908.2	133868.2	134828.2	135788.2	136748.2	137708.2	138668.2	139628.2	140588.2	141548.2	142508.2	143468.2	144428.2	145388.2	146348.2	147308.2	148268.2	149228.2	150188.2	151148.2	152108.2	153068.2	154028.2	154988.2	155948.2	156908.2	157868.2	158828.2	159788.2	160748.2	161708.2	162668.2	163628.2	164588.2	165548.2	166508.2	167468.2	168428.2	169388.2	170348.2	171308.2	172268.2	173228.2	174188.2	175148.2	176108.2	177068.2	178028.2	178988.2	179948.2	180908.2	181868.2	182828.2	183788.2	184748.2	185708.2	186668.2	187628.2	188588.2	189548.2	190508.2	191468.2	192428.2	193388.2	194348.2	195308.2	196268.2	197228.2	198188.2	199148.2	200108.2	201068.2	202028.2	202988.2	203948.2	204908.2	205868.2	206828.2	207788.2	208748.2	209708.2	210668.2	211628.2	212588.2	213548.2	214508.2	215468.2	216428.2	217388.2	218348.2	219308.2	220268.2	221228.2	222188.2	223148.2	224108.2	225068.2	226028.2	226988.2	227948.2	228908.2	229868.2	230828.2	231788.2	232748.2	233708.2	234668.2	235628.2	236588.2	237548.2	238508.2	239468.2	240428.2	241388.2	242348.2	243308.2	244268.2	245228.2	246188.2	247148.2	248108.2	249068.2	250028.2	250988.2	251948.2	252908.2	253868.2	254828.2	255788.2	256748.2	257708.2	258668.2	259628.2	260588.2	261548.2	262508.2	263468.2	264428.2	265388.2	266348.2	267308.2	268268.2	269228.2	270188.2	271148.2	272108.2	273068.2	274028.2	274988.2	275948.2	276908.2	277868.2	278828.2	279788.2	280748.2	281708.2	282668.2	283628.2	284588.2	285548.2	286508.2	287468.2	288428.2	289388.2	290348.2	291308.2	292268.2	293228.2	294188.2	295148.2	296108.2	297068.2	298028.2	298988.2	299948.2	300908.2	301868.2	302828.2	303788.2	304748.2	305708.2	306668.2	307628.2	308588.2	309548.2	310508.2	311468.2	312428.2	313388.2	314348.2	315308.2	316268.2	317228.2	318188.2	319148.2	320108.2	321068.2	322028.2	322988.2	323948.2	324908.2	325868.2	326828.2	327788.2	328748.2	329708.2	330668.2	331628.2	332588.2	333548.2	334508.2	335468.2	336428.2	337388.2	338348.2	339308.2	340268.2	341228.2	342188.2	343148.2	344108.2	345068.2	346028.2	346988.2	347948.2	348908.2	349868.2	350828.2	351788.2	352748.2	353708.2	354668.2	355628.2	356588.2	357548.2	358508.2	359468.2	360428.2	361388.2	362348.2	363308.2	364268.2	365228.2	366188.2	367148.2	368108.2	369068.2	370028.2	370988.2	371948.2	372908.2	373868.2	374828.2	375788.2	376748.2	377708.2	378668.2	379628.2	380588.2	381548.2	382508.2	383468.2	384428.2	385388.2	386348.2	387308.2	388268.2	389228.2	390188.2	391148.2	392108.2	393068.2	394028.2	394988.2	395948.2	396908.2	397868.2	398828.2	399788.2	400748.2	401708.2	402668.2	403628.2	404588.2	405548.2	406508.2	407468.2	408428.2	409388.2	410348.2	411308.2	412268.2	413228.2	414188.2	415148.2	416108.2	417068.2	418028.2	418988.2	419948.2	420908.2	421868.2	422828.2	423788.2	424748.2	425708.2	426668.2	427628.2	428588.2	429548.2	430508.2	431468.2	432428.2	433388.2	434348.2	435308.2	436268.2	437228.2	438188.2	439148.2	440108.2	441068.2	442028.2	442988.2	443948.2	444908.2	445868.2	446828.2	447788.2	448748.2	449708.2	450668.2	451628.2	452588.2	453548.2	454508.2	455468.2	456428.2	457388.2	458348.2	459308.2	460268.2	461228.2	462188.2	463148.2	464108.2	465068.2	466028.2	466988.2	467948.2	468908.2	469868.2	470828.2	471788.2	472748.2	473708.2	474668.2	475628.2	476588.2	477548.2	478508.2	479468.2	480428.2	481388.2	482348.2	483308.2	484268.2	485228.2	486188.2	487148.2	488108.2	489068.2	490028.2	490988.2	491948.2	492908.2	493868.2	494828.2	495788.2	496748.2	497708.2	498668.2	499628.2	500588.2	501548.2	502508.2	503468.2	504428.2	505388.2	506348.2	507308.2	508268.2	509228.2	510188.2	511148.2	512108.2	513068.2	514028.2	514988.2	515948.2	516908.2	517868.2	518828.2	519788.2	520748.2	521708.2	522668.2	523628.2	524588.2	525548.2	526508.2	527468.2	528428.2	529388.2	530348.2	531308.2	532268.2	533228.2	534188.2	535148.2	536108.2	537068.2	538028.2	538988.2	539948.2	540908.2	541868.2	542828.2	543788.2	544748.2	545708.2	546668.2	547628.2	548588.2	549548.2	550508.2	551468.2	552428.2	553388.2	554348.2	555308.2	556268.2	557228.2	558188.2	559148.2	560108.2	561068.2	562028.2	562988.2	563948.2	564908.2	565868.2	566828.2	567788.2	568748.2	569708.2	570668.2	571628.2	572588.2	573548.2	574508.2	575468.2	576428.2	577388.2	578348.2	579308.2	580268.2	581228.2	582188.2	583148.2	584108.2	585068.2	586028.2	586988.2	587948.2	588908.2	589868.2	590828.2	591788.2	592748.2	593708.2	594668.2	595628.2	596588.2	597548.2	598508.2	599468.2	600428.2	601388.2	602348.2	603308.2	604268.2	605228.2	606188.2	607148.2	608108.2	609068.2	610028.2	610988.2	611948.2	612908.2	613868.2	614828.2	615788.2	616748.2	617708.2	618668.2	619628.2	620588.2	621548.2	622508.2	623468.2	624428.2	625388.2	626348.2	627308.2	628268.2	629228.2	630188.2	631148.2	632108.2	633068.2	634028.2	634988.2	635948.2	636908.2	637868.2	638828.2	639788.2	640748.2	641708.2	642668.2	643628.2	644588.2	645548.2	646508.2	647468.2	648428.2	649388.2	650348.2	651308.2	652268.2	653228.2	654188.2	655148.2	656108.2	657068.2	658028.2	658988.2	659948.2	660908.2	661868.2	662828.2	663788.2	664748.2	665708.2	666668.2	667628.2	668588.2	669548.2	670508.2	671468.2	672428.2	673388.2	674348.2	675308.2	676268.2	677228.2	678188.2	679148.2	680108.2	681068.2	682028.2	682988.2	683948.2	684908.2	685868.2	686828.2	687788.2	688748.2	689708.2	690668.2	691628.2	692588.2	693548.2	694508.2	695468.2	696428.2	697388.2	698348.2	699308.2	700268.2	701228.2	702188.2	703148.2	704108.2	705068.2	706028.2	706988.2	707948.2	708908.2	709868.2	710828.2	711788.2	712748.2	713708.2	714668.2	715628.2	716588.2	717548.2	718508.2	719468.2	720428.2	721388.2	722348.2	723308.2	724268.2	725228.2	726188.2	727148.2	728108.2	729068.2	730028.2	730988.2	731948.2	732908.2	733868.2	734828.2	735788.2	736748.2	737708.2	738668.2	739628.2	740588.2	741548.2	742508.2	743468.2	744428.2	745388.2	746348.2	747308.2	748268.2	749228.2	750188.2	751148.2	752108.2	753068.2	754028.2	754988.2	755948.2	756908.2	757868.2	758828.2	759788.2	760748.2	761708.2	762668.2	763628.2	764588.2	765548.2	766508.2	767468.2	768428.2	769388.2	770348.2	771308.2	772268.2	773228.2	774188.2	775148.2	776108.2	777068.2	778028.2	778988.2	779948.2	780908.2	781868.2	782828.2	783788.2	784748.2	785708.2	786668.2	787628.2	788588.2	789548.2	790508.2	791468.2	792428.2	793388.2	794348.2	795308.2	796268.2	797228.2	798188.2	799148.2	800108.2	801068.2	802028.2	802988.2	803948.2	804908.2	805868.2	806828.2	807788.2	808748.2	809708.2	810668.2	811628.2	812588.2	813548.2	814508.2	815468.2	816428.2	817388.2	818348.2	819308.2	820268.2	821228.2	822188.2	823148.2	824108.2	825068.2	826028.2	826988.2	827948.2	828908.2	829868.2	830828.2	831788.2	832748.2	833708.2	834668.2	835628.2	836588.2	837548.2	838508.2	839468.2	840428.2	841388.2	842348.2	843308.2	844268.2	845228.2	846188.2	847148.2	848108.2	849068.2	850028.2	850988.2	851948.2	852908.2	853868.2	854828.2	855788.2	856748.2	857708.2	858668.2	859628.2	860588.2	861548.2	862508.2	863468.2	86442
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RADIAL DISTANCE 292

PAGE 2

SOLID PRESSURE LEVELS DIRECTIVITY INDEX

7.5 1.5 2.0 3.0 4.0 5.0 6.0 7.0 8.0 9.0 10.0 11.0 12.0 13.0 14.0 15.0 16.0 17.0 18.0 19.0 20.0

1.425	-0.62	-3.73	-5.04	-2.79	-3.03	4.219	-2.67	1.15	-1.73	3.902	3.300	6.003								
1.437	-1.25	-3.31	-13.4	-12.0	-0.98	9.268	-2.77	-6.49	-5.46	-3.187	-1.100	1.125								
1.450	-4.88	-4.74	-3.88	-4.45	-1.98	-1.25	-1.51	4.583	7.089	2.958	4.610	6.368								
1.463	-5.12	-5.12	-3.72	-3.65	-1.97	-2.13	-1.19	9.33	1.982	3.212	4.726	2.582								
1.476	-5.25	-5.51	-4.82	-3.76	-1.25	-2.17	-1.20	1.042	1.931	2.836	4.235	5.901								
1.489	-4.53	-6.10	-5.28	-4.15	-1.70	1.302	-1.94	1.882	1.882	2.924	3.819	4.887								
1.502	-6.42	-5.52	-5.99	-5.12	-2.00	4.725	-1.24	3.372	8.987	2.552	3.663	1.882								
1.515	-5.92	-4.84	-6.66	-5.11	-1.67	1.106	1.127	1.479	1.978	3.737	4.372	5.826								
1.528	-1.76	-7.62	-3.41	-3.96	-2.70	2.287	-1.28	1.134	-1.38	7.607	7.966	1.445								
1.541	-6.46	-8.34	-1.32	-1.39	-1.70	1.887	-1.40	-2.72	-1.87	7.099	1.938	4.982								
1.554	-1.97	1.486	-3.62	-1.23	1.822	-1.87	-1.96	-1.98	2.382	3.884	2.887	2.13								
1.567	-1.37	8.815	-1.24	-1.28	3.109	3.968	1.171	6.884	3.188	3.188	6.884	2.13								
1.580	-1.85	-2.48	-1.19	-2.23	7.502	5.709	2.276	2.628	3.183	6.884	2.13	2.13								
1.593	-1.93	3.496	6.868	-2.66	-2.63	1.536	-1.27	9.418	2.018	9.405	3.319	4.13								
1.606	4.916	1.657	1.618	-1.35	-1.647	-1.72	-1.89	1.984	1.123	1.123	1.123	1.123								
1.619	2.268	3.771	-1.71	-3.18	-1.83	-1.83	-1.84	1.988	4.229	3.410	3.410	3.410								
1.632	2.307	2.481	6.441	-1.12	-1.12	4.358	-1.64	2.423	2.283	3.364	3.364	3.364								
1.645	-1.19	1.382	-2.70	1.112	-1.112	1.603	2.081	3.853	3.123	7.988	6.79	4.19								
1.658	-2.25	-3.68	-1.58	8.259	-1.99	1.99	1.99	1.99	1.99	1.99	1.99	1.99								
1.671	-1.947	-3.61	-1.84	-1.44	1.363	4.484	-1.38	3.121	1.123	3.473	3.473	3.473								
1.684	-1.11	-7.85	-1.32	-1.57	-1.57	4.32	-1.07	1.106	1.147	4.887	2.361	5.938								
1.697	-1.91	-1.88	-4.26	-2.88	-1.67	1.264	4.026	3.858	2.288	1.19	2.19	2.19								
1.710	-2.43	-2.36	-1.20	-1.29	-1.29	2.833	2.318	1.610	1.146	2.318	2.318	2.318								
1.723	-1.77	-1.64	-2.69	-1.81	-1.81	1.49	1.534	2.777	3.153	1.532	3.48	3.48								

D15

ANGLE 1 TEMP 32.82
ANGLE 2 TEMP 32.82
RAD. PRESS. OF 28.75
ANGLE 1 3.912

FAA RAD/CO PRESSOR - PHASE 28 - 50 IGVs 9 DEG OPEY I/D 2/27/78

SPEED 5622

5.2x132

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

[illegible]

DATE: 2/20/77

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RADIAL DISTANCE 250

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	7.2	10.0	24.0	32.2	47.2	57.3	69.0	72.0	82.2	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PM)
125	73.92	73.29	71.07	71.41	71.37	72.05	76.59	74.95	75.74	75.38	77.51	80.84	85.15	134.3					
125	72.28	72.09	70.73	72.40	71.59	72.61	85.81	74.62	75.93	77.17	79.05	81.75	84.99	136.9					
125	70.95	71.79	71.52	71.94	71.69	73.87	74.61	75.20	77.89	77.83	79.69	81.72	83.64	134.6					
125	72.42	72.42	71.82	73.71	73.38	74.88	75.86	76.84	78.06	80.81	81.84	83.14	84.09	136.8					
125	70.42	70.21	73.33	73.02	76.89	77.99	76.19	77.35	80.74	83.29	83.84	84.91	87.58	138.9					
162	72.69	72.08	72.77	72.63	73.37	74.08	76.33	76.19	78.03	80.24	81.81	81.81	82.26	138.9					
202	72.68	71.61	70.56	71.58	71.45	73.33	77.75	75.19	76.63	77.23	78.86	80.92	80.87	134.1					
252	71.67	69.37	68.74	69.56	69.44	70.99	73.78	73.92	75.14	74.19	76.49	77.79	76.19	131.7					
312	71.23	70.82	68.22	67.24	69.82	72.12	71.21	69.85	70.29	70.24	72.24	71.87	71.21	127.0					
422	70.29	70.32	70.18	68.34	67.19	67.89	70.69	68.62	70.23	72.09	70.88	70.30	71.06	129.8					
522	70.89	70.16	71.10	75.45	75.75	77.23	76.36	77.89	77.43	79.46	81.82	78.89	75.89	130.4					
632	70.39	68.14	68.11	68.13	68.38	68.46	68.24	68.28	61.54	62.47	63.33	61.11	77.95	130.4					
822	77.64	79.28	76.85	78.98	79.05	78.69	82.51	82.11	82.72	83.33	83.00	81.23	78.06	130.2					
1222	76.68	77.85	68.21	70.22	77.92	78.56	78.51	77.83	79.17	80.93	79.08	78.34	77.36	137.7					
1252	81.22	82.83	61.93	63.45	68.40	62.21	68.79	68.28	62.06	66.12	63.63	68.73	77.59	141.7					
1622	78.74	79.98	62.13	61.27	60.67	61.89	79.37	78.93	80.78	84.83	83.66	73.91	75.17	148.2					
2202	79.68	79.83	68.66	70.77	82.76	79.32	82.49	82.39	80.18	79.81	75.93	75.75		148.6					
2522	84.87	83.76	79.51	83.27	84.58	82.29	82.89	87.44	83.27	82.89	83.91	88.88	79.18	142.6					
3152	85.91	86.78	85.88	86.88	86.92	82.22	88.38	88.81	90.91	88.93	89.21	89.39	83.08	149.8					
3722	87.65	89.81	92.32	91.49	98.27	96.83	88.67	92.71	98.99	93.29	98.24	89.38	88.42	152.2					
4302	86.25	86.29	87.41	87.77	85.45	83.12	86.92	86.52	88.76	82.59	79.45	78.44		147.7					
6302	83.88	82.88	79.51	81.77	81.94	81.89	81.91	82.71	83.49	81.99	82.81	83.46	77.84	148.8					
8202	82.22	79.39	79.56	81.89	80.85	81.88	85.88	86.11	84.83	85.31	84.88	77.61	76.49	148.6					
12002	96.86	96.85	96.49	100.6	96.31	100.2	97.29	96.33	96.87	99.32	98.22	96.88	96.08						
12502	94.59	95.14	92.37	95.84	92.24	99.26	96.43	97.39	97.75	98.11	96.94	95.44	95.14						
12802	100.7	109.5	100.9	110.9	110.6	114.2	110.4	112.1	112.2	112.8	111.2	109.4	107.2						

QAPHL:

197.7

ASPL: 120.0
 RE: 120.0
 24.0 PRESS: 28.76
 44.0 HUMIDITY: 3.912

FAA FAY/CORPRESSOR - PHASE 88 + 50 IQVS 9 DEG OPEN T/D 2/12/74

RU 113 RU0134 SPEED=7100

D1B

DATE: 2/25/72

RADIAL DISTANCE 252

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SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°	100°	110°	120°	130°	140°	150°	160°	170°	180°
37	-2.59	-3.21	-4.64	-5.09	-5.13	-3.06	-0.849	-1.50	-7.03	-1.20	1.085	4.336	5.64						
43	-6.78	-6.96	-2.23	-4.58	-7.46	-6.85	6.756	-4.44	-3.12	-3.89	-0.882	2.892	5.935						
49	-5.70	-4.85	-5.15	-4.78	-4.75	-2.78	-2.04	-1.44	4.386	1.181	3.051	5.872	6.992						
55	-5.57	-5.27	-6.17	-4.27	-4.61	-3.11	-2.13	-1.15	2.713	2.819	3.055	5.153	6.784						
61	-3.98	-2.19	-7.27	-6.58	-4.31	-2.81	-4.20	-3.05	3.111	3.196	3.434	4.889	7.076						
67	-4.31	-4.12	-6.23	-4.37	-3.63	-2.12	-6.64	-0.849	1.832	1.877	3.231	4.811	5.283						
73	-3.89	-4.17	-8.22	-4.19	-4.33	-2.45	1.072	-0.989	8.213	1.478	3.280	5.141	5.289						
79	-1.56	-3.87	-4.49	-4.68	-3.79	-2.83	1.545	1.293	1.989	9.558	3.295	4.554	2.955						
85	1.962	1.534	-3.69	-2.05	-2.47	-3.37	1.926	-4.43	1.083	9.988	9.582	1.778	2.323						
91	1.848	-1.213	-1.356	-1.99	-3.15	-2.64	3.613	-1.71	7.183	2.358	3.746	2.966	1.289						
97	-1.18	-1.06	3.616	-1.76	-1.47	0.809	-0.855	-1.22	4.333	2.246	3.887	1.079	-1.92						
103	-2.37	1.719	-1.82	-1.30	-1.62	-1.28	-2.231	-2.11	1.876	1.999	2.887	0.478	-2.92						
109	-2.48	-1.533	-3.26	-1.16	-1.06	-1.41	1.3927	-0.805	2.084	3.217	1.887	1.110	-1.13						
115	-1.85	-6.08	1.755	7.497	-1.552	-1.247	0.8546	-1.42	7.176	2.481	1.231	1.021	-1.49						
121	-1.78	7.644	1.396	1.237	-1.22	-3.73	-0.25	3.736	5.171	2.776	2.382	-3.13	-6.32						
127	-0.81	7.664	-1.14	1.684	-1.56	1.72	-1.25	-1.77	8.449	0.079	1.589	-4.31	-4.45						
133	-1.70	-1.555	1.621	7.739	1.437	1.361	-1.16	-1.01	1.714	3.495	2.133	-4.63	-5.37						
139	-1.16	-1.39	2.632	-1.05	2.341	-1.09	2.067	2.515	1.971	-3.19	-0.12	-4.49	-4.67						
145	-3.13	-0.521	-4.87	-1.11	1.2037	0.105	1.586	3.057	1.688	-3.49	-4.73	-4.29	-4.79						
151	-2.82	-1.94	-3.64	3.666	-2.66	3.499	-3.47	0.878	2.198	2.871	-0.12	-3.37	-5.72						
157	-3.43	-2.07	-7.67	-3.6	-0.12	5.748	-2.40	1.827	-0.881	2.213	-0.42	-1.69	-5.45						
163	1.830	1.279	2.399	-2.74	-1.03	-2.29	1.711	1.389	2.838	1.551	-2.61	-5.76	-6.37						
169	1.959	-1.961	-2.08	0.923	-1.757	0.617	0.668	1.642	2.150	1.068	1.611	-5.88	-3.83						
175	-1.461	-3.33	-3.12	-1.89	-1.83	1.63	2.319	3.424	1.344	2.830	1.395	-5.85	-6.18						

D19

AIR FLOW 32.02
PRESSURE 30.02
RAD. PRESS. 28.76
AC. VOLUME 7.912

FAA FA/COMPRESSOR - PHASE 5B - 5C IGVS 9 DEG OPEN T/D 2/27/70

54513 RWB134 SPEED 7100

DATE: 2/27/77

RADIAL DISTANCE 250

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

		ANGLES FROM INLET												
		0.0	15.0	30.0	45.0	60.0	75.0	90.0	105.0	120.0	135.0	150.0	165.0	180.0
50	76.32	74.79	73.31	72.87	72.43	71.99	71.55	71.11	70.67	70.23	69.79	69.35	68.91	68.47
60	75.55	74.04	72.46	71.92	71.48	71.04	70.60	70.16	69.72	69.28	68.84	68.40	67.96	67.52
80	74.37	73.69	72.77	72.23	71.79	71.35	70.91	70.47	70.03	69.59	69.15	68.71	68.27	67.83
100	73.39	72.71	71.79	71.25	70.81	70.37	69.93	69.49	69.05	68.61	68.17	67.73	67.29	66.85
125	72.69	72.01	71.09	70.55	70.11	69.67	69.23	68.79	68.35	67.91	67.47	67.03	66.59	66.15
150	72.11	71.43	70.51	69.97	69.53	69.09	68.65	68.21	67.77	67.33	66.89	66.45	66.01	65.57
175	71.53	70.85	69.93	69.39	68.95	68.51	68.07	67.63	67.19	66.75	66.31	65.87	65.43	64.99
200	71.00	70.32	69.40	68.86	68.42	67.98	67.54	67.10	66.66	66.22	65.78	65.34	64.90	64.46
225	70.55	69.87	68.95	68.41	67.97	67.53	67.09	66.65	66.21	65.77	65.33	64.89	64.45	64.01
250	70.11	69.43	68.51	67.97	67.53	67.09	66.65	66.21	65.77	65.33	64.89	64.45	64.01	63.57
275	69.76	69.08	68.16	67.62	67.18	66.74	66.30	65.86	65.42	64.98	64.54	64.10	63.66	63.22
300	69.41	68.73	67.81	67.27	66.83	66.39	65.95	65.51	65.07	64.63	64.19	63.75	63.31	62.87
325	69.06	68.38	67.46	66.92	66.48	66.04	65.60	65.16	64.72	64.28	63.84	63.40	62.96	62.52
350	68.71	68.03	67.11	66.57	66.13	65.69	65.25	64.81	64.37	63.93	63.49	63.05	62.61	62.17
375	68.36	67.68	66.76	66.22	65.78	65.34	64.90	64.46	64.02	63.58	63.14	62.70	62.26	61.82
400	68.01	67.33	66.41	65.87	65.43	64.99	64.55	64.11	63.67	63.23	62.79	62.35	61.91	61.47
425	67.66	66.98	66.06	65.52	65.08	64.64	64.20	63.76	63.32	62.88	62.44	62.00	61.56	61.12
450	67.31	66.63	65.71	65.17	64.73	64.29	63.85	63.41	62.97	62.53	62.09	61.65	61.21	60.77
475	66.96	66.28	65.36	64.82	64.38	63.94	63.50	63.06	62.62	62.18	61.74	61.30	60.86	60.42
500	66.61	65.93	65.01	64.47	64.03	63.59	63.15	62.71	62.27	61.83	61.39	60.95	60.51	60.07
525	66.26	65.58	64.66	64.12	63.68	63.24	62.80	62.36	61.92	61.48	61.04	60.60	60.16	59.72
550	65.91	65.23	64.31	63.77	63.33	62.89	62.45	62.01	61.57	61.13	60.69	60.25	59.81	59.37
575	65.56	64.88	63.96	63.42	62.98	62.54	62.10	61.66	61.22	60.78	60.34	59.90	59.46	59.02
600	65.21	64.53	63.61	63.07	62.63	62.19	61.75	61.31	60.87	60.43	59.99	59.55	59.11	58.67
625	64.86	64.18	63.26	62.72	62.28	61.84	61.40	60.96	60.52	60.08	59.64	59.20	58.76	58.32
650	64.51	63.83	62.91	62.37	61.93	61.49	61.05	60.61	60.17	59.73	59.29	58.85	58.41	57.97
675	64.16	63.48	62.56	62.02	61.58	61.14	60.70	60.26	59.82	59.38	58.94	58.50	58.06	57.62
700	63.81	63.13	62.21	61.67	61.23	60.79	60.35	59.91	59.47	59.03	58.59	58.15	57.71	57.27
725	63.46	62.78	61.86	61.32	60.88	60.44	60.00	59.56	59.12	58.68	58.24	57.80	57.36	56.92
750	63.11	62.43	61.51	60.97	60.53	60.09	59.65	59.21	58.77	58.33	57.89	57.45	57.01	56.57
775	62.76	62.08	61.16	60.62	60.18	59.74	59.30	58.86	58.42	57.98	57.54	57.10	56.66	56.22
800	62.41	61.73	60.81	60.27	59.83	59.39	58.95	58.51	58.07	57.63	57.19	56.75	56.31	55.87
825	62.06	61.38	60.46	59.92	59.48	59.04	58.60	58.16	57.72	57.28	56.84	56.40	55.96	55.52
850	61.71	61.03	60.11	59.57	59.13	58.69	58.25	57.81	57.37	56.93	56.49	56.05	55.61	55.17
875	61.36	60.68	59.76	59.22	58.78	58.34	57.90	57.46	57.02	56.58	56.14	55.70	55.26	54.82
900	61.01	60.33	59.41	58.87	58.43	57.99	57.55	57.11	56.67	56.23	55.79	55.35	54.91	54.47
925	60.66	59.98	59.06	58.52	58.08	57.64	57.20	56.76	56.32	55.88	55.44	55.00	54.56	54.12
950	60.31	59.63	58.71	58.17	57.73	57.29	56.85	56.41	55.97	55.53	55.09	54.65	54.21	53.77
975	59.96	59.28	58.36	57.82	57.38	56.94	56.50	56.06	55.62	55.18	54.74	54.30	53.86	53.42
1000	59.61	58.93	58.01	57.47	57.03	56.59	56.15	55.71	55.27	54.83	54.39	53.95	53.51	53.07
1025	59.26	58.58	57.66	57.12	56.68	56.24	55.80	55.36	54.92	54.48	54.04	53.60	53.16	52.72
1050	58.91	58.23	57.31	56.77	56.33	55.89	55.45	55.01	54.57	54.13	53.69	53.25	52.81	52.37
1075	58.56	57.88	56.96	56.42	55.98	55.54	55.10	54.66	54.22	53.78	53.34	52.90	52.46	52.02
1100	58.21	57.53	56.61	56.07	55.63	55.19	54.75	54.31	53.87	53.43	52.99	52.55	52.11	51.67
1125	57.86	57.18	56.26	55.72	55.28	54.84	54.40	53.96	53.52	53.08	52.64	52.20	51.76	51.32
1150	57.51	56.83	55.91	55.37	54.93	54.49	54.05	53.61	53.17	52.73	52.29	51.85	51.41	50.97
1175	57.16	56.48	55.56	55.02	54.58	54.14	53.70	53.26	52.82	52.38	51.94	51.50	51.06	50.62
1200	56.81	56.13	55.21	54.67	54.23	53.79	53.35	52.91	52.47	52.03	51.59	51.15	50.71	50.27
1225	56.46	55.78	54.86	54.32	53.88	53.44	53.00	52.56	52.12	51.68	51.24	50.80	50.36	49.92
1250	56.11	55.43	54.51	53.97	53.53	53.09	52.65	52.21	51.77	51.33	50.89	50.45	50.01	49.57
1275	55.76	55.08	54.16	53.62	53.18	52.74	52.30	51.86	51.42	50.98	50.54	50.10	49.66	49.22
1300	55.41	54.73	53.81	53.27	52.83	52.39	51.95	51.51	51.07	50.63	50.19	49.75	49.31	48.87
1325	55.06	54.38	53.46	52.92	52.48	52.04	51.60	51.16	50.72	50.28	49.84	49.40	48.96	48.52
1350	54.71	54.03	53.11	52.57	52.13	51.69	51.25	50.81	50.37	49.93	49.49	49.05	48.61	48.17
1375	54.36	53.68	52.76	52.22	51.78	51.34	50.90	50.46	50.02	49.58	49.14	48.70	48.26	47.82
1400	54.01	53.33	52.41	51.87	51.43	50.99	50.55	50.11	49.67	49.23	48.79	48.35	47.91	47.47
1425	53.66	52.98	52.06	51.52	51.08	50.64	50.20	49.76	49.32	48.88	48.44	48.00	47.56	47.12
1450	53.31	52.63	51.71	51.17	50.73	50.29	49.85	49.41	48.97	48.53	48.09	47.65	47.21	46.77
1475	52.96	52.28	51.36	50.82	50.38	49.94	49.50	49.06	48.62	48.18	47.74	47.30	46.86	46.42
1500	52.61	51.93	51.01	50.47	50.03	49.59	49.15	48.71	48.27	47.83	47.39	46.95	46.51	46.07
1525	52.26	51.58	50.66	50.12	49.68	49.24	48.80	48.36	47.92	47.48	47.04	46.60	46.16	45.72
1550	51.91	51.23	50.31	49.77	49.33	48.89	48.45	48.01	47.57	47.13	46.69	46.25	45.81	45.37
1575	51.56	50.88	49.96	49.42	48.98	48.54	48.10	47.66	47.22	46.78	46.34	45.90	45.46	45.02
1600	51.21	50.53	49.61	49.07	48.63	48.19	47.75	47.31	46.87	46.43	45.99	45.55	45.11	44.67
1625	50.86	50.18	49.26	48.72	48.28	47.84	47.40	46.96	46.52	46.08	45.64	45.20	44.76	44.32
1650	50.51	49.83	48.91	48.37	47.93	47.49	47.05	46.61	46.17	45.73	45.29	44.85	44.41	43.97
1675	50.16	49.48	48.56	48.02	47.58	47.14	46.70	46.26	45.82	45.38	44.94	44.50	44.06	43.62
1700	49.81	49.13	48.21	47.67	47.23	46.79	46.35	45.91	45.47	45.03	44.59	44.15	43.71	43.27
1725	49.46	48.78	47.86	47.32	46.88	46.44	46.00	45.56	45.12	44.68	44.24	43.80	43.36	42.92
1750	49.11	48.43	47.51	46.97	46.53	46.09	45.65	45.21	44.77	44.33	43.89	43.45	43.01	42.57
1775	48.76	48.08	47.16	46.62	46.18	45.74	45.30	44.86	44.42	43.98	43.54	43.10	42.66	42.22
1800	48.41	47.73	46.81	46.27	45.83	45.39	44.95	44.51	44.07	43.63	43.19	42.75	42.31	41.87
1825	48.06	47.38	46.46	45.92	45.48	45.04	44.60	44.16	43.72	43.28	42.84	42.40	41.96	41.52
1850	47.71	47.03	46.11	45.57	45.13	44.69	44.25	43.81	43.37	42.93	42.49	42.05	41.61	41.17
1875	47.36	46.68	45.76	45.22	44.78	44.34	43.90	43.46	43.02	42.58	42.14	41.70	41.26	40.82
1900	47.01	46.33	45.41	44.87	44.43	43.99	43.55	43.11	42.67	42.23	41.79	41.35	40.91	40.47
1925	46.66	45.98	45.06	44.52	44.08	43.64	43.20	42.76	42.32	41.88	41.44	41.00	40.56	40.12
1950	46.31	45.63	44.71	44.17	43.73	43.29	42.85	42.41	41.97	41.53	41.09	40.65	40.21	39.77
1975	45.96	45.28	44.											

Pressure Levels Directivity Index

ANGLES FROM I' - Y			
	α	β	γ
1	15.2	100.0	170.0 (PH)
2	15.2	100.0	170.0 (PH)
3	15.2	100.0	170.0 (PH)
4	15.2	100.0	170.0 (PH)
5	15.2	100.0	170.0 (PH)
6	15.2	100.0	170.0 (PH)
7	15.2	100.0	170.0 (PH)
8	15.2	100.0	170.0 (PH)
9	15.2	100.0	170.0 (PH)
10	15.2	100.0	170.0 (PH)
11	15.2	100.0	170.0 (PH)
12	15.2	100.0	170.0 (PH)
13	15.2	100.0	170.0 (PH)
14	15.2	100.0	170.0 (PH)
15	15.2	100.0	170.0 (PH)
16	15.2	100.0	170.0 (PH)
17	15.2	100.0	170.0 (PH)
18	15.2	100.0	170.0 (PH)
19	15.2	100.0	170.0 (PH)
20	15.2	100.0	170.0 (PH)
21	15.2	100.0	170.0 (PH)
22	15.2	100.0	170.0 (PH)
23	15.2	100.0	170.0 (PH)
24	15.2	100.0	170.0 (PH)
25	15.2	100.0	170.0 (PH)
26	15.2	100.0	170.0 (PH)
27	15.2	100.0	170.0 (PH)
28	15.2	100.0	170.0 (PH)
29	15.2	100.0	170.0 (PH)
30	15.2	100.0	170.0 (PH)
31	15.2	100.0	170.0 (PH)
32	15.2	100.0	170.0 (PH)
33	15.2	100.0	170.0 (PH)
34	15.2	100.0	170.0 (PH)
35	15.2	100.0	170.0 (PH)
36	15.2	100.0	170.0 (PH)
37	15.2	100.0	170.0 (PH)
38	15.2	100.0	170.0 (PH)
39	15.2	100.0	170.0 (PH)
40	15.2	100.0	170.0 (PH)
41	15.2	100.0	170.0 (PH)
42	15.2	100.0	170.0 (PH)
43	15.2	100.0	170.0 (PH)
44	15.2	100.0	170.0 (PH)
45	15.2	100.0	170.0 (PH)
46	15.2	100.0	170.0 (PH)
47	15.2	100.0	170.0 (PH)
48	15.2	100.0	170.0 (PH)
49	15.2	100.0	170.0 (PH)
50	15.2	100.0	170.0 (PH)
51	15.2	100.0	170.0 (PH)
52	15.2	100.0	170.0 (PH)
53	15.2	100.0	170.0 (PH)
54	15.2	100.0	170.0 (PH)
55	15.2	100.0	170.0 (PH)
56	15.2	100.0	170.0 (PH)
57	15.2	100.0	170.0 (PH)
58	15.2	100.0	170.0 (PH)
59	15.2	100.0	170.0 (PH)
60	15.2	100.0	170.0 (PH)
61	15.2	100.0	170.0 (PH)
62	15.2	100.0	170.0 (PH)
63	15.2	100.0	170.0 (PH)
64	15.2	100.0	170.0 (PH)
65	15.2	100.0	170.0 (PH)
66	15.2	100.0	170.0 (PH)
67	15.2	100.0	170.0 (PH)
68	15.2	100.0	170.0 (PH)
69	15.2	100.0	170.0 (PH)
70	15.2	100.0	170.0 (PH)
71	15.2	100.0	170.0 (PH)
72	15.2	100.0	170.0 (PH)
73	15.2	100.0	170.0 (PH)
74	15.2	100.0	170.0 (PH)
75	15.2	100.0	170.0 (PH)
76	15.2	100.0	170.0 (PH)
77	15.2	100.0	170.0 (PH)
78	15.2	100.0	170.0 (PH)
79	15.2	100.0	170.0 (PH)
80	15.2	100.0	170.0 (PH)
81	15.2	100.0	170.0 (PH)
82	15.2	100.0	170.0 (PH)

[illegible]

-1.48	-2.99	-4.77	-7.91	-12.17	-17.71	-23.31	-29.05	-1.24	1.234	4.343	8.723
-1.47	-2.99	-4.76	-7.89	-12.16	-17.70	-23.29	-28.97	-1.63	1.358	4.243	8.305
-1.57	-4.47	-5.39	-6.49	-7.86	-9.21	-10.88	-12.88	-1.28	1.959	5.916	9.291
-4.00	-5.36	-6.62	-8.19	-9.59	-11.33	-13.41	-15.85	1.21	1.933	5.650	9.088
-2.22	-3.37	-5.05	-7.21	-9.42	-12.32	-15.72	-19.63	1.374	1.687	4.384	7.698
-2.69	-4.28	-6.24	-8.29	-10.61	-13.28	-16.37	-19.93	1.447	1.586	4.036	6.399
-3.51	-4.35	-5.41	-6.45	-7.45	-8.43	-9.38	-10.30	1.512	1.509	3.539	5.139
-3.74	-4.14	-4.47	-5.50	-6.39	-7.21	-8.08	-8.94	1.604	1.512	3.063	4.259
-3.644	-2.90	-1.56	-0.26	1.08	1.74	2.59	3.62	1.932	1.337	2.741	3.885
-2.229	-3.29	-4.52	-5.99	-7.66	-9.44	-11.39	-13.59	1.775	1.222	2.039	3.342
-1.585	-1.69	-1.82	-1.99	-2.06	-2.24	-2.38	-2.55	1.735	1.747	4.235	1.875
-2.44	-2.05	-2.17	-2.31	-2.15	-2.320	-2.430	-2.581	1.457	3.095	2.054	2.08
-2.34	-1.81	-0.69	-0.63	1.30	1.68	1.44	1.284	1.384	3.637	3.663	1.441
-1.61	-1.96	-1.51	-0.83	1.7634	1.58	-5.222	-7.63	1.330	1.749	0.832	0.912
-2.61	-1.233	-1.06	-0.886	-0.438	1.043	-1.737	-2.233	1.397	1.608	2.049	-2.34
-1.34	-1.47	-1.46	-1.476	-1.315	-1.245	-1.35	-1.50	1.399	1.678	2.322	-1.98
-2.74	-1.39	-0.6	-1.635	1.948	2.167	-1.669	-3.29	2.203	1.63	-2.04	-4.38
-3.77	-4.72	-2.1	-1.026	3.545	2.322	1.62	1.195	1.44	-1.03	-2.04	-4.26
-1.63	-2.96	-6.12	-3.263	3.945	2.259	2.363	1.471	1.786	-1.98	-2.23	-4.69
-1.17	-3.65	-3.12	1.989	-0.648	1.394	-0.770	5.08	2.826	1.609	-1.977	-4.57
-4.21	-3.536	-7.03	3.417	-0.75	7.35	-4.6	1.491	1.339	3.986	-1.93	-0.82
-3.384	1.932	2.25	-1.90	-0.55	-2.50	1.256	3.238	2.331	1.663	-2.82	-4.69
-4.223	-3.77	-1.82	-1.63	-1.38	-1.94	-2.238	-7.533	1.865	1.848	1.356	-3.25
-3.22	-2.07	-2.49	-2.52	-7.19	1.229	3.179	2.363	4.061	1.31	-4.63	-5.03

4240	FE	32.00
4250	FE	33.00
4260	FE	34.00
4270	FE	35.00
4280	FE	36.00
4290	FE	37.00
4300	FE	38.00
4310	FE	39.00
4320	FE	40.00
4330	FE	41.00
4340	FE	42.00
4350	FE	43.00
4360	FE	44.00
4370	FE	45.00
4380	FE	46.00
4390	FE	47.00
4400	FE	48.00
4410	FE	49.00
4420	FE	50.00
4430	FE	51.00
4440	FE	52.00
4450	FE	53.00
4460	FE	54.00
4470	FE	55.00
4480	FE	56.00
4490	FE	57.00
4500	FE	58.00
4510	FE	59.00
4520	FE	60.00
4530	FE	61.00
4540	FE	62.00
4550	FE	63.00
4560	FE	64.00
4570	FE	65.00
4580	FE	66.00
4590	FE	67.00
4600	FE	68.00
4610	FE	69.00
4620	FE	70.00
4630	FE	71.00
4640	FE	72.00
4650	FE	73.00
4660	FE	74.00
4670	FE	75.00
4680	FE	76.00
4690	FE	77.00
4700	FE	78.00
4710	FE	79.00
4720	FE	80.00
4730	FE	81.00
4740	FE	82.00
4750	FE	83.00
4760	FE	84.00
4770	FE	85.00
4780	FE	86.00
4790	FE	87.00
4800	FE	88.00
4810	FE	89.00
4820	FE	90.00
4830	FE	91.00
4840	FE	92.00
4850	FE	93.00
4860	FE	94.00
4870	FE	95.00
4880	FE	96.00
4890	FE	97.00
4900	FE	98.00
4910	FE	99.00
4920	FE	100.00
4930	FE	101.00
4940	FE	102.00
4950	FE	103.00
4960	FE	104.00
4970	FE	105.00
4980	FE	106.00
4990	FE	107.00
5000	FE	108.00
5010	FE	109.00
5020	FE	110.00
5030	FE	111.00
5040	FE	112.00
5050	FE	113.00
5060	FE	114.00
5070	FE	115.00
5080	FE	116.00
5090	FE	117.00
5100	FE	118.00
5110	FE	119.00
5120	FE	120.00
5130	FE	121.00
5140	FE	122.00
5150	FE	123.00
5160	FE	124.00
5170	FE	125.00
5180	FE	126.00
5190	FE	127.00
5200	FE	128.00
5210	FE	129.00
5220	FE	130.00
5230	FE	131.00
5240	FE	132.00
5250	FE	133.00
5260	FE	134.00
5270	FE	135.00
5280	FE	136.00
5290	FE	137.00
5300	FE	138.00
5310	FE	139.00
5320	FE	140.00
5330	FE	141.00
5340	FE	142.00
5350	FE	143.00
5360	FE	144.00
5370	FE	145.00
5380	FE	146.00
5390	FE	

DATE: 10/2/77 PAGE 28 OF 30 10/2/77

SEP 27 1965

2025-11-15

10

SOAVE PRESSURE LEVELS DIRECTIVITY INDEX

	2.0	12.0	2.0	35.2	4.12	52.2	67.2	72.2	85.2	92.2	122.0	130.0	140.0	152.0	160.0	170.0	(PWL)
1	-1.967	-4.39	-5.85	-5.85	-5.12	-5.42	-4.94	-1.92	-2.70	-1.12	-1.43	.984	4.339	9.315			
2	-1.324	-5.01	-5.42	-5.46	-5.57	-3.72	-2.84	-2.95	-1.48	-1.56	.7673	3.091	6.988				
3	-1.15	-7.25	-7.33	-5.11	-5.17	-3.91	-2.81	-1.99	-1.99	-1.061	3.039	5.013	7.102				
4	-2.61	-6.47	-8.04	-7.99	-3.33	-5.34	-5.13	-1.63	2.063	4.522	3.133	4.112	4.832				
5	3.679	-6.16	-7.71	-5.48	-4.88	-3.89	-2.12	-1.31	.928	1.938	3.423	4.799	6.187				
6	3.544	-6.24	-7.14	-5.48	-4.95	-3.32	-3.48	-1.74	.884	1.225	3.218	5.513	3.341				
7	1.846	-6.91	-8.65	-6.88	-5.12	-3.39	-1.98	-1.76	.697	1.329	4.286	4.481	4.289				
8	7.266	-1.44	-2.31	-4.29	-3.97	-4.64	-1.62	-1.66	-1.366	-1.254	.982	1.216	4.286				
9	5.739	1.138	1.487	-1.84	-3.52	-1.59	-1.24	-2.13	.888	2.443	1.137	2.614	3.034				
10	2.687	1.336	1.488	-1.82	-1.59	-1.59	-1.78	-1.39	.351	1.344	.9830	4.084	3.766	-1.19			
11	1.853	-1.81	-2.15	-1.739	-1.18	-1.382	-2.71	-1.99	.9724	1.383	4.836	1.326	-2.84				
12	-3.12	-6.84	-7.71	-4.13	-4.29	-3.12	-2.420	-1.48	3.888	4.424	3.971	1.838	-2.34				
13	-1.14	-2.21	-1.29	-3.46	-3.31	-2.61	-1.29	-2.93	.9734	3.283	3.894	3.392	1.995				
14	-2.23	1.325	1.334	1.432	.652	3.276	.229	.348	1.181	2.288	-1.39	1.83	3.06				
15	-4.8	-2.48	1.378	1.167	.882	2.746	-1.42	-2.16	1.336	2.794	1.484	-3.37	-8.05				
16	-7.39	-3.31	1.972	2.845	4.712	3.885	-1.95	-3.19	-2.18	-1.57	-3.32	-3.59	-8.92				
17	-5.44	-4.94	1.697	7.975	6.143	4.984	5.364	5.814	-1.34	-3.72	-2.98	-8.83	-8.07				
18	-3.16	-2.22	-2.19	3.451	3.789	2.886	1.13	1.633	1.251	6.42	-2.35	-4.62	-4.72				
19	-1.28	-855	-2.75	2.512	-2.87	1.347	1.289	-1.32	2.320	2.811	4.87	-1.54	1.77				
20	-3.75	3.83	-1.41	1.632	-2.81	2.749	-1.84	-1.37	1.284	3.192	-1.29	-4.28	-8.08				
21	1.292	.982	1.134	1.588	1.518	-1.31	1.9422	1.100	2.779	1.698	-1.43	-4.38	-3.41				
22	1.513	.3994	1.977	.9481	1.857	1.466	1.194	1.378	1.976	1.156	.818	-3.72	-2.39				
23	-2.55	-4.38	-4.68	-2.29	-2.72	-1.887	4.723	1.295	3.254	2.108	-1.41	-8.95	-5.46				

123

NEW TEMP: 32.42
 - - - - - TEMP: 32.80
 MAX PRESSURE: 78.78
 DIRECTIVITY: 3.012

Full 1470W PRESSOR - PHASE 5B + 5C 14VS 9 DEG OPEN T/D 2/17/70

WINDS: 0.0-1.16 SPECIM 7502

DATE: 6/27/77

PAGE: 1

RADIAL DISTANCE 258

STAND PRESSURE LEVELS REDUCED AT STANDARD DAY

PRESS	ANGLES FROM INLET										RADIAL DISTANCE
	32.2	42.2	52.2	62.2	72.2	82.2	92.2	102.2	112.2	122.2	
5	75.52	75.47	75.42	75.37	75.32	75.27	75.22	75.17	75.12	75.07	137.9
6	74.69	74.62	74.57	74.52	74.47	74.42	74.37	74.32	74.27	74.22	148.1
63	73.83	73.76	73.71	73.66	73.61	73.56	73.51	73.46	73.41	73.36	158.3
7	74.91	74.84	74.79	74.74	74.69	74.64	74.59	74.54	74.49	74.44	168.5
17	74.91	74.84	74.79	74.74	74.69	74.64	74.59	74.54	74.49	74.44	178.7
125	75.67	75.60	75.55	75.50	75.45	75.40	75.35	75.30	75.25	75.20	188.9
16	74.72	74.65	74.60	74.55	74.50	74.45	74.40	74.35	74.30	74.25	199.1
24	72.89	72.82	72.77	72.72	72.67	72.62	72.57	72.52	72.47	72.42	209.3
35	72.25	72.18	72.13	72.08	72.03	71.98	71.93	71.88	71.83	71.78	219.5
42	74.88	74.81	74.76	74.71	74.66	74.61	74.56	74.51	74.46	74.41	229.7
50	77.41	77.34	77.29	77.24	77.19	77.14	77.09	77.04	76.99	76.94	239.9
53	78.02	77.95	77.90	77.85	77.80	77.75	77.70	77.65	77.60	77.55	250.1
62	77.58	77.51	77.46	77.41	77.36	77.31	77.26	77.21	77.16	77.11	260.3
72	74.45	74.38	74.33	74.28	74.23	74.18	74.13	74.08	74.03	73.98	270.5
82	78.63	78.56	78.51	78.46	78.41	78.36	78.31	78.26	78.21	78.16	280.7
92	78.84	78.77	78.72	78.67	78.62	78.57	78.52	78.47	78.42	78.37	290.9
102	77.17	77.10	77.05	77.00	76.95	76.90	76.85	76.80	76.75	76.70	301.1
112	75.49	75.42	75.37	75.32	75.27	75.22	75.17	75.12	75.07	75.02	311.3
122	80.71	80.64	80.59	80.54	80.49	80.44	80.39	80.34	80.29	80.24	321.5
132	82.63	82.56	82.51	82.46	82.41	82.36	82.31	82.26	82.21	82.16	331.7
142	80.35	80.28	80.23	80.18	80.13	80.08	80.03	79.98	79.93	79.88	341.9
152	84.56	84.49	84.44	84.39	84.34	84.29	84.24	84.19	84.14	84.09	352.1
162	81.36	81.29	81.24	81.19	81.14	81.09	81.04	80.99	80.94	80.89	362.3
172	79.82	79.75	79.70	79.65	79.60	79.55	79.50	79.45	79.40	79.35	372.5
182	95.89	95.82	95.77	95.72	95.67	95.62	95.57	95.52	95.47	95.42	382.7
192	93.88	93.81	93.76	93.71	93.66	93.61	93.56	93.51	93.46	93.41	392.9
202	107.2	107.1	107.0	106.9	106.8	106.7	106.6	106.5	106.4	106.3	403.1

GRAPH: 182.8

ALBERT TERRY
32.02
32.02
28.74
3.612

STAND PRESSURE - PHASE 5B + 5C 10VS 9 DEG OPEN T/D 2/17/70

3.53 203137 SPEED=7702

RADIAL DISTANCE 250

DATE: 2/27/77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET
17.2 27.2 37.2 47.2 57.2 67.2 77.2 87.2 97.2 107.2 117.2 127.2 137.2 147.2 157.2 167.2 177.2 187.2 197.2 207.2 217.2 227.2 237.2 247.2 257.2 267.2 277.2 287.2 297.2 307.2 317.2 327.2 337.2 347.2 357.2 367.2 377.2 387.2 397.2 407.2 417.2 427.2 437.2 447.2 457.2 467.2 477.2 487.2 497.2 507.2 517.2 527.2 537.2 547.2 557.2 567.2 577.2 587.2 597.2 607.2 617.2 627.2 637.2 647.2 657.2 667.2 677.2 687.2 697.2 707.2 717.2 727.2 737.2 747.2 757.2 767.2 777.2 787.2 797.2 807.2 817.2 827.2 837.2 847.2 857.2 867.2 877.2 887.2 897.2 907.2 917.2 927.2 937.2 947.2 957.2 967.2 977.2 987.2 997.2

5	-4.52	-4.68	-5.14	-6.23	-5.75	-4.46	-1.78	-2.28	-9.13	-9.18	1.373	4.825	9.289
63	-7.51	-7.29	-5.76	-6.32	-6.11	-5.29	4.639	-3.89	-2.10	-1.24	1.494	3.993	7.273
97	-7.21	-6.33	-5.93	-5.49	-5.51	-5.61	-2.83	-1.79	1.938	7.689	3.214	3.335	7.435
127	-6.97	-6.71	-7.28	-5.95	-5.45	-3.74	-2.97	-1.68	-3.98	1.394	3.132	5.882	7.379
157	-2.45	-3.22	-4.63	-4.57	-2.36	-3.34	-4.48	-3.45	2.821	2.288	3.782	4.816	5.285
187	-4.45	-5.84	-7.44	-4.44	-3.78	-2.13	-1.51	-5.93	1.117	1.603	3.718	4.816	5.589
217	-3.15	-4.46	-6.44	-3.88	-3.23	-2.62	1.862	0.829	0.228	1.807	3.179	3.879	2.492
247	-1.73	-3.89	-6.56	-3.22	-2.94	-1.35	-2.49	1.251	1.241	1.324	3.482	4.444	3.311
277	-1.21	-2.87	-5.91	-2.64	-2.82	-3.87	1.159	2.326	5.233	1.424	3.827	3.489	2.544
307	-1.79	-2.31	-3.82	-3.30	-5.68	-2.92	-2.48	-2.11	3.877	2.009	5.048	3.813	1.885
337	-2.68	-2.36	-1.88	-1.77	-3.13	-6.34	-2.27	2.15	3.959	2.948	5.371	2.814	-4.16
367	-3.19	-3.11	4.39	-1.83	-1.83	-9.47	-4.82	-7.88	1.576	2.182	4.217	3.881	0.949
397	-5.28	-5.71	-7.61	-3.44	-1.82	-2.81	4.249	1.261	3.425	1.222	1.831	-1.11	-1.133
427	-6.43	-1.43	1.341	3.679	1.892	1.449	-1.99	-1.48	-1.684	-2.19	1.384	-1.921	-3.13
457	-2.13	-4.89	3.893	4.114	3.814	3.281	1.873	-2.48	-1.88	1.77	-1.89	-4.87	-9.44
487	-6.27	-3.82	-8.39	3.661	7.987	3.188	4.944	1.58	0.997	0.102	-1.84	-1.48	-4.14
517	-6.16	-5.32	1.894	3.322	3.386	5.732	-1.39	-4.72	-2.19	-2.12	-3.57	-0.59	-8.32
547	-4.34	-3.44	-5.12	9.785	4.868	3.999	3.456	-3.32	-4.43	-2.82	-3.48	-4.26	-9.43
577	-2.17	-1.11	-3.28	3.182	4.291	1.897	2.884	-5.19	7.956	-5.14	-2.97	-3.19	-4.93
607	-4.29	9.927	-3.151	3.1294	-4.46	1.864	2.178	-1.48	1.438	0.768	-7.84	-3.98	-4.55
637	-2.65	-2.46	-1.846	2.488	-1.91	8.838	-5.92	1.373	3.572	4.885	-1.73	-3.92	-8.39
667	2.809	1.592	7.784	-6.079	3.922	-2.565	1.868	3.981	2.192	1.378	-2.31	-1.35	-4.89
697	3.154	5.883	-1.78	1.863	7.198	1.772	6.832	1.941	2.897	-9.89	3.444	-2.75	-3.88
727	-2.79	-3.68	-5.82	-1.15	-2.47	5.219	2.438	7.778	4.488	3.184	-1.32	-4.88	-8.55

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RADIAL DISTANCE 252

PAGE: 1

DATE: 4/25/77

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	10.0	12.0	14.0	16.0	18.0	20.0	22.0	24.0	26.0	28.0	30.0	32.0	34.0	36.0	38.0	40.0	42.0	44.0	46.0	48.0	50.0	52.0	54.0	56.0	58.0	60.0	62.0	64.0	66.0	68.0	70.0	72.0	74.0	76.0	78.0	80.0	82.0	84.0	86.0	88.0	90.0	92.0	94.0	96.0	98.0	100.0	102.0	104.0	106.0	108.0	110.0	112.0	114.0	116.0	118.0	120.0	122.0	124.0	126.0	128.0	130.0	132.0	134.0	136.0	138.0	140.0	142.0	144.0	146.0	148.0	150.0	152.0	154.0	156.0	158.0	160.0	162.0	164.0	166.0	168.0	170.0	172.0	174.0	176.0	178.0	180.0	182.0	184.0	186.0	188.0	190.0	192.0	194.0	196.0	198.0	200.0	202.0	204.0	206.0	208.0	210.0	212.0	214.0	216.0	218.0	220.0	222.0	224.0	226.0	228.0	230.0	232.0	234.0	236.0	238.0	240.0	242.0	244.0	246.0	248.0	250.0	252.0	254.0	256.0	258.0	260.0	262.0	264.0	266.0	268.0	270.0	272.0	274.0	276.0	278.0	280.0	282.0	284.0	286.0	288.0	290.0	292.0	294.0	296.0	298.0	300.0	302.0	304.0	306.0	308.0	310.0	312.0	314.0	316.0	318.0	320.0	322.0	324.0	326.0	328.0	330.0	332.0	334.0	336.0	338.0	340.0	342.0	344.0	346.0	348.0	350.0	352.0	354.0	356.0	358.0	360.0	362.0	364.0	366.0	368.0	370.0	372.0	374.0	376.0	378.0	380.0	382.0	384.0	386.0	388.0	390.0	392.0	394.0	396.0	398.0	400.0	402.0	404.0	406.0	408.0	410.0	412.0	414.0	416.0	418.0	420.0	422.0	424.0	426.0	428.0	430.0	432.0	434.0	436.0	438.0	440.0	442.0	444.0	446.0	448.0	450.0	452.0	454.0	456.0	458.0	460.0	462.0	464.0	466.0	468.0	470.0	472.0	474.0	476.0	478.0	480.0	482.0	484.0	486.0	488.0	490.0	492.0	494.0	496.0	498.0	500.0	502.0	504.0	506.0	508.0	510.0	512.0	514.0	516.0	518.0	520.0	522.0	524.0	526.0	528.0	530.0	532.0	534.0	536.0	538.0	540.0	542.0	544.0	546.0	548.0	550.0	552.0	554.0	556.0	558.0	560.0	562.0	564.0	566.0	568.0	570.0	572.0	574.0	576.0	578.0	580.0	582.0	584.0	586.0	588.0	590.0	592.0	594.0	596.0	598.0	600.0	602.0	604.0	606.0	608.0	610.0	612.0	614.0	616.0	618.0	620.0	622.0	624.0	626.0	628.0	630.0	632.0	634.0	636.0	638.0	640.0	642.0	644.0	646.0	648.0	650.0	652.0	654.0	656.0	658.0	660.0	662.0	664.0	666.0	668.0	670.0	672.0	674.0	676.0	678.0	680.0	682.0	684.0	686.0	688.0	690.0	692.0	694.0	696.0	698.0	700.0	702.0	704.0	706.0	708.0	710.0	712.0	714.0	716.0	718.0	720.0	722.0	724.0	726.0	728.0	730.0	732.0	734.0	736.0	738.0	740.0	742.0	744.0	746.0	748.0	750.0	752.0	754.0	756.0	758.0	760.0	762.0	764.0	766.0	768.0	770.0	772.0	774.0	776.0	778.0	780.0	782.0	784.0	786.0	788.0	790.0	792.0	794.0	796.0	798.0	800.0	802.0	804.0	806.0	808.0	810.0	812.0	814.0	816.0	818.0	820.0	822.0	824.0	826.0	828.0	830.0	832.0	834.0	836.0	838.0	840.0	842.0	844.0	846.0	848.0	850.0	852.0	854.0	856.0	858.0	860.0	862.0	864.0	866.0	868.0	870.0	872.0	874.0	876.0	878.0	880.0	882.0	884.0	886.0	888.0	890.0	892.0	894.0	896.0	898.0	900.0	902.0	904.0	906.0	908.0	910.0	912.0	914.0	916.0	918.0	920.0	922.0	924.0	926.0	928.0	930.0	932.0	934.0	936.0	938.0	940.0	942.0	944.0	946.0	948.0	950.0	952.0	954.0	956.0	958.0	960.0	962.0	964.0	966.0	968.0	970.0	972.0	974.0	976.0	978.0	980.0	982.0	984.0	986.0	988.0	990.0	992.0	994.0	996.0	998.0	1000.0	1002.0	1004.0	1006.0	1008.0	1010.0	1012.0	1014.0	1016.0	1018.0	1020.0	1022.0	1024.0	1026.0	1028.0	1030.0	1032.0	1034.0	1036.0	1038.0	1040.0	1042.0	1044.0	1046.0	1048.0	1050.0	1052.0	1054.0	1056.0	1058.0	1060.0	1062.0	1064.0	1066.0	1068.0	1070.0	1072.0	1074.0	1076.0	1078.0	1080.0	1082.0	1084.0	1086.0	1088.0	1090.0	1092.0	1094.0	1096.0	1098.0	1100.0	1102.0	1104.0	1106.0	1108.0	1110.0	1112.0	1114.0	1116.0	1118.0	1120.0	1122.0	1124.0	1126.0	1128.0	1130.0	1132.0	1134.0	1136.0	1138.0	1140.0	1142.0	1144.0	1146.0	1148.0	1150.0	1152.0	1154.0	1156.0	1158.0	1160.0	1162.0	1164.0	1166.0	1168.0	1170.0	1172.0	1174.0	1176.0	1178.0	1180.0	1182.0	1184.0	1186.0	1188.0	1190.0	1192.0	1194.0	1196.0	1198.0	1200.0	1202.0	1204.0	1206.0	1208.0	1210.0	1212.0	1214.0	1216.0	1218.0	1220.0	1222.0	1224.0	1226.0	1228.0	1230.0	1232.0	1234.0	1236.0	1238.0	1240.0	1242.0	1244.0	1246.0	1248.0	1250.0	1252.0	1254.0	1256.0	1258.0	1260.0	1262.0	1264.0	1266.0	1268.0	1270.0	1272.0	1274.0	1276.0	1278.0	1280.0	1282.0	1284.0	1286.0	1288.0	1290.0	1292.0	1294.0	1296.0	1298.0	1300.0	1302.0	1304.0	1306.0	1308.0	1310.0	1312.0	1314.0	1316.0	1318.0	1320.0	1322.0	1324.0	1326.0	1328.0	1330.0	1332.0	1334.0	1336.0	1338.0	1340.0	1342.0	1344.0	1346.0	1348.0	1350.0	1352.0	1354.0	1356.0	1358.0	1360.0	1362.0	1364.0	1366.0	1368.0	1370.0	1372.0	1374.0	1376.0	1378.0	1380.0	1382.0	1384.0	1386.0	1388.0	1390.0	1392.0	1394.0	1396.0	1398.0	1400.0	1402.0	1404.0	1406.0	1408.0	1410.0	1412.0	1414.0	1416.0	1418.0	1420.0	1422.0	1424.0	1426.0	1428.0	1430.0	1432.0	1434.0	1436.0	1438.0	1440.0	1442.0	1444.0	1446.0	1448.0	1450.0	1452.0	1454.0	1456.0	1458.0	1460.0	1462.0	1464.0	1466.0	1468.0	1470.0	1472.0	1474.0	1476.0	1478.0	1480.0	1482.0	1484.0	1486.0	1488.0	1490.0	1492.0	1494.0	1496.0	1498.0	1500.0	1502.0	1504.0	1506.0	1508.0	1510.0	1512.0	1514.0	1516.0	1518.0	1520.0	1522.0	1524.0	1526.0	1528.0	1530.0	1532.0	1534.0	1536.0	1538.0	1540.0	1542.0	1544.0	1546.0	1548.0	1550.0	1552.0	1554.0	1556.0	1558.0	1560.0	1562.0	1564.0	1566.0	1568.0	1570.0	1572.0	1574.0	1576.0	1578.0	1580.0	1582.0	1584.0	1586.0	1588.0	1590.0	1592.0	1594.0	1596.0	1598.0	1600.0	1602.0	1604.0	1606.0	1608.0	1610.0	1612.0	1614.0	1616.0	1618.0	1620.0	1622.0	1624.0	1626.0	1628.0	1630.0	1632.0	1634.0	1636.0	1638.0	1640.0	1642.0	1644.0	1646.0	1648.0	1650.0	1652.0	1654.0	1656.0	1658.0	1660.0	1662.0	1664.0	1666.0	1668.0	1670.0	1672.0	1674.0	1676.0	1678.0	1680.0	1682.0	1684.0	1686.0	1688.0	1690.0	1692.0	1694.0	1696.0	1698.0	1700.0	1702.0	1704.0	1706.0	1708.0	1710.0	1712.0	1714.0	1716.0	1718.0	1720.0	1722.0	1724.0	1726.0	1728.0	1730.0	1732.0	1734.0	1736.0	1738.0	1740.0	1742.0	1744.0	1746.0	1748.0	1750.0	1752.0	1754.0	1756.0	1758.0	1760.0	1762.0	1764.0	1766.0	1768.0	1770.0	1772.0	1774.0	1776.0	1778.0	1780.0	1782.0	1784.0	1786.0	1788.0	1790.0	1792.0	1794.0	1796.0	1798.0	1800.0	1802.0	1804.0	1806.0	1808.0	1810.0	1812.0	1814.0	1816.0	1818.0	1820.0	1822.0	1824.0	1826.0	1828.0	1830.0	1832.0	1834.0	1836.0	1838.0	1840.0	1842.0	1844.0	1846.0	1848.0	1850.0	1852.0	1854.0	1856.0	1858.0	1860.0	1862.0	1864.0	1866.0	1868.0	1870.0	1872.0	1874.0	1876.0	1878.0	1880.0	1882.0	1884.0	1886.0	1888.0	1890.0	1892.0	1894.0	1896.0	1898.0	1900.0	1902.0	1904.0	1906.0	1908.0	1910.0	1912.0	1914.0	1916.0	1918.0	1920.0	1922.0	1924.0	1926.0	1928.0	1930.0	1932.0	1934.0	1936.0	1938.0	1940.0	1942.0	1944.0	1946.0	1948.0	1950.0	1952.0	1954.0	1956.0	1958.0	1960.0	1962.0	1964.0	1966.0	1968.0	1970.0	1972.0	1974.0	1976.0	1978.0	1980.0	1982.0	1984.0	1986.0	1988.0	1990.0	1992.0	1994.0	1996.0	1998.0	2000.0	2002.0	2004.0	2006.0	2008.0	2010.0	2012.0	2014.0	2016.0	2018.0	2020.0	2022.0	2024.0	2026.0	2028.0	2030.0	2032.0	2034.0	2036.0	2038.0	2040.0	2042.0	2044.0	2046.0	2048.0	2050.0	2052.0	2054.0	2056.0	2058.0	2060.0	2062.0	2064.0	2066.0	2068.0	2070.0	2072.0	2074.0	2076.0	2078.0	2080.0	2082.0	2084.0	2086.0	2088.0	2090.0	2092.0	2094.0	2096.0	2098.0	2100.0	2102.0	2104.0	2106.0	2108.0	2110.0	2112.0	2114.0	2116.0	2118.0	2120.0	2122.0	2124.0	2126.0	2128.0	2130.0	2132.0	2134.0	2136.0	2138.0	2140.0	2142.0	2144.0	2146.0	2148.0	2150.0	2152.0	2154.0	2156.0	2158.0	2160.0	2162.0	2164.0	2166.0	2168.0	2170.0	2172.0	2174.0	2176.0	2178.0	2180.0	2182.0	2184.0	2186.0	2188.0	2190.0	2192.0	2194.0	2196.0	2198.0	2200.0	2202.0	2204.0	2206.0	2208.0	2210.0	2212.0	2214.0	2216.0	2218.0	2220.0	2222.0	2224.0	2226.0	2228.0	2230.0	2232.0	2234.0	2236.0	2238.0	2240.0	2242.0	2244.0	2246.0	2248.0	2250.0	2252.0	2254.0	2256.0	2258.0	2260.0	2262.0	2264.0	2266.0	2268.0	2270.0	2272.0	2274.0	2276.0	2278.0	2280.0	2282.0	2284.0	2286.0	2288.0	2290.0	2292.0	2294.0	2296.0	2298.0	2300.0	2302.0	2304.0	2306.0	2308.0	2310.0	2312.0	2314.0	2
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DATE: 2/25/77

RADIAL DISTANCE 250

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SOURCE PRESSURE LEVELS DIRECTIVITY INDEX

	7.7	12.7	24.7	36.2	47.2	59.7	67.2	76.2	87.2	92.2	102.2	110.2	120.2	130.2	140.2	150.2	160.2	170.2	180.2	190.2	200.2
5.7	-5.07	-5.84	-6.35	-5.80	-3.99	-4.77	-2.56	-2.33	-1.76	-1.15	1.032	4.028	9.277								
6.7	-9.03	-8.01	-5.11	-6.72	-5.14	-8.04	3.089	-3.08	-2.52	-1.14	1.599	4.510	8.399								
7.7	-8.08	-7.69	-6.36	-5.76	-4.08	-3.91	-2.99	-1.99	-1.242	0.048	3.104	5.534	7.439								
8.7	-8.76	-6.21	-7.35	-5.32	-3.47	-3.98	-2.92	-1.75	-3.16	1.079	3.829	6.042	7.173								
9.7	-3.20	2.314	1.249	2.351	2.605	-6.70	-4.26	-4.75	-3.17	1.46	0.493	1.720	3.405								
10.7	-5.42	-3.39	-4.04	-2.74	-1.11	-2.10	-2.13	-1.78	-1.325	1.251	3.230	4.589	5.474								
11.7	-4.11	-5.68	-7.01	-4.48	-1.39	-2.81	-4.043	-0.05	-0.05	1.381	3.227	5.732	5.167								
12.7	-2.14	-2.22	-1.41	-3.05	1.729	-3.55	-0.08	-0.28	1.922	1.005	3.593	2.081	2.911								
13.7	-3.99	-5.13	-1.02	-1.00	-1.25	-2.75	-2.63	-1.20	1.018	2.817	5.989	3.214	1.877								
14.7	-4.84	-2.77	-2.55	-0.03	-0.12	-2.53	-2.08	-1.37	1.080	3.083	5.537	3.471	1.747								
15.7	-5.59	-5.84	-4.74	-0.21	2.148	1.429	0.654	-3.01	1.080	1.409	2.307	2.171	1.747								
16.7	-3.53	-1.57	-5.92	-1.07	1.270	-0.20	4.812	-2.05	1.194	1.909	0.217	1.482	2.272								
17.7	-5.32	-2.62	2.517	5.231	1.066	-1.20	-1.19	-2.05	-0.13	-0.55	0.516	-2.34	-3.09								
18.7	-9.46	-1.08	-3.55	3.109	4.639	4.405	-1.08	-0.18	-0.74	-0.99	-0.12	-4.19	-6.09								
19.7	-5.78	-3.34	0.495	4.804	2.511	2.818	-4.04	-0.83	-1.46	1.744	-0.80	-2.17	-5.21								
20.7	-4.52	-3.56	-3.46	4.023	5.149	2.261	-2.05	-0.75	-2.35	-0.74	-0.64	-4.19	-7.09								
21.7	-2.17	-1.14	-2.06	2.220	5.677	1.706	1.043	-0.32	0.90	-0.64	-2.04	-4.59	-8.46								
22.7	-1.95	0.949	-3.45	2.440	1.308	1.082	0.972	-0.01	1.042	-4.18	-0.87	-2.03	-4.83								
23.7	-4.79	-2.36	-1.05	0.648	0.667	0.786	-2.47	0.467	2.148	5.273	-0.52	-3.68	-3.79								
24.7	1.759	-1.31	0.801	-1.99	2.829	-1.11	0.231	0.522	1.746	2.048	-0.72	-4.18	-5.86								
25.7	-1.88	-0.85	-1.94	-1.24	3.228	1.836	0.285	1.396	0.135	-1.37	0.581	-4.32	-4.59								
26.7	-3.75	-4.21	-4.05	-2.95	3.268	-1.71	1.076	0.747	3.488	3.169	-0.991	-0.14	-5.34								

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A-DIEV TEMP 32.00
 RET-BULB TEMP 38.00
 OAK PRESSURE 20.70
 A-S, -ALGITY 3.012

FAA FAX/COMPRESSOR - PHASE 5B + 5C 10VS 9 DBQ OPEN T/D 2/17/79

2. 213 0.70130 SPEED 0.7002

DATE: 2/27/70

RADIAL DISTANCE 256

PAGE 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	1.5	13.2	27.7	3	42.8	52.4	58.7	78.0	80.8	92.2	100.8	110.8	120.8	130.8	140.8	150.8	160.8	170.8	(FNL)
5	76.57	76.62	76.11	75.98	76.43	77.02	79.49	79.38	80.99	80.88	83.09	87.39	91.88	148.1					
43	73.99	75.79	78.59	77.48	77.11	78.18	87.23	88.46	81.03	82.69	85.29	88.75	92.95	141.9					
1	75.32	76.83	77.62	77.78	78.28	80.12	83.76	81.59	81.93	84.48	86.94	89.72	91.32	141.8					
125	76.24	76.88	77.55	79.43	79.54	80.51	81.58	82.98	80.68	86.39	88.56	91.39	92.17	147.1					
140	85.67	89.42	83.31	84.30	87.19	87.85	86.06	98.48	90.61	90.19	91.72	93.53	93.23	147.1					
227	79.84	82.50	77.02	79.71	81.62	82.93	82.54	84.98	80.19	80.32	80.39	80.09	89.76	148.9					
252	76.81	75.39	74.46	78.86	77.37	77.29	81.46	81.87	81.81	82.84	84.99	87.83	83.96	139.8					
315	74.08	72.04	72.49	72.98	74.69	76.38	76.89	80.82	80.48	78.44	81.66	83.94	81.42	134.9					
422	73.81	74.59	74.51	72.34	72.82	71.94	74.70	75.89	77.25	73.73	77.78	71.81	73.16	133.8					
437	77.25	78.43	80.64	76.27	76.89	75.75	77.94	77.81	78.68	81.25	84.94	82.83	80.77	138.8					
179	82.87	87.57	85.87	85.99	88.41	83.39	83.65	85.31	84.68	85.43	89.32	86.54	82.23	144.4					
182	80.58	82.92	81.75	83.08	84.76	83.75	83.76	84.17	86.34	86.95	88.06	87.33	84.82	148.7					
252	78.99	77.74	82.65	81.19	81.11	83.87	83.31	85.11	80.82	83.19	85.06	84.78	84.44	148.1					
179	77.93	77.57	84.78	83.48	84.06	84.02	82.52	80.53	83.97	82.89	82.08	81.08	80.08	141.7					
182	81.56	85.52	87.48	93.19	92.43	92.11	89.83	86.88	89.12	89.32	89.11	87.89	82.98	148.8					
252	78.16	81.71	83.47	84.43	84.22	85.50	82.81	82.98	85.03	88.19	84.08	83.23	80.39	148.1					
315	78.71	79.79	82.84	83.43	82.18	83.34	81.63	80.47	86.94	83.68	81.78	79.09	77.33	141.1					
432	76.33	77.71	82.25	79.43	83.20	75.73	81.89	82.84	88.52	78.47	77.78	77.08	74.32	148.2					
482	88.75	80.03	78.39	82.84	83.51	82.68	82.32	83.4	80.38	78.39	81.19	80.87	79.82	148.3					
515	81.88	83.59	78.86	84.32	88.46	84.72	84.81	82.17	86.88	83.94	83.82	81.36	80.31	138.3					
515	83.45	84.79	86.19	88.30	88.87	98.41	88.82	98.43	89.43	94.19	87.79	82.76	81.49	148.3					
515	81.23	81.54	83.00	80.94	82.14	82.63	82.75	84.74	85.35	85.74	81.45	79.31	77.61	148.1					
812	78.85	79.48	78.14	80.61	79.87	81.79	83.33	83.13	88.08	81.28	77.56	75.99		148.4					
1482	76.98	77.75	75.88	77.92	79.81	82.28	82.08	83.95	84.66	84.13	88.74	77.47	75.87	147.1					
MEASURED CASPL	95.19	97.66	96.77	98.98	99.85	99.30	98.95	99.34	100.2	101.1	101.4	103.6	102.5						
CALCULATED CASPL	93.53	95.88	95.54	97.78	98.81	98.23	97.64	98.17	99.87	98.79	99.19	99.82	100.6						
P.D.B	100.5	107.9	100.5	111.3	110.6	111.4	110.6	111.7	111.6	111.7	111.1	108.0	107.6						

QAPHL1

A - 1000 TEND, 10.02
 B - 1000 TEND, 3.22
 C - 1000 TEND, 28.76
 D - 1000 TEND, 3.612

FAZ 14700 PRESSURE - PHASE 5B - SC 10VS 9 DEG OPEN Y/D 2/17/70

RU = 23 AUG 1970 SPEED = 8102

STANDARD LAY

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100	101	102	103	104	105	106	107	108	109	110	111	112	113	114	115	116	117	118	119	120	121	122	123	124	125	126	127	128	129	130	131	132	133	134	135	136	137	138	139	140	141	142	143	144	145	146	147	148	149	150	151	152	153	154	155	156	157	158	159	160	161	162	163	164	165	166	167	168	169	170	171	172	173	174	175	176	177	178	179	180	181	182	183	184	185	186	187	188	189	190	191	192	193	194	195	196	197	198	199	200	201	202	203	204	205	206	207	208	209	210	211	212	213	214	215	216	217	218	219	220	221	222	223	224	225	226	227	228	229	230	231	232	233	234	235	236	237	238	239	240	241	242	243	244	245	246	247	248	249	250	251	252	253	254	255	256	257	258	259	260	261	262	263	264	265	266	267	268	269	270	271	272	273	274	275	276	277	278	279	280	281	282	283	284	285	286	287	288	289	290	291	292	293	294	295	296	297	298	299	300	301	302	303	304	305	306	307	308	309	310	311	312	313	314	315	316	317	318	319	320	321	322	323	324	325	326	327	328	329	330	331	332	333	334	335	336	337	338	339	340	341	342	343	344	345	346	347	348	349	350	351	352	353	354	355	356	357	358	359	360	361	362	363	364	365	366	367	368	369	370	371	372	373	374	375	376	377	378	379	380	381	382	383	384	385	386	387	388	389	390	391	392	393	394	395	396	397	398	399	400	401	402	403	404	405	406	407	408	409	410	411	412	413	414	415	416	417	418	419	420	421	422	423	424	425	426	427	428	429	430	431	432	433	434	435	436	437	438	439	440	441	442	443	444	445	446	447	448	449	450	451	452	453	454	455	456	457	458	459	460	461	462	463	464	465	466	467	468	469	470	471	472	473	474	475	476	477	478	479	480	481	482	483	484	485	486	487	488	489	490	491	492	493	494	495	496	497	498	499	500	501	502	503	504	505	506	507	508	509	510	511	512	513	514	515	516	517	518	519	520	521	522	523	52
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1	77.54	77.57	76.77	77.55	77.64	78.29	75.49	86.75	81.74	81.92	83.33	88.60	93.56
2	75.31	75.49	74.59	78.36	77.13	79.27	56.54	81.14	81.77	85.63	86.87	89.72	94.19
3	76.53	75.21	75.24	79.47	79.23	80.22	82.25	81.43	83.42	85.16	87.49	92.91	98.25
4	76.91	77.23	77.74	79.62	79.11	82.72	82.77	82.55	83.84	85.09	87.26	91.53	97.65
5	80.24	80.36	79.99	82.19	82.49	83.44	82.04	81.75	82.13	83.85	85.77	92.57	97.45
6	79.45	81.55	78.48	80.67	81.35	82.47	86.31	89.74	90.94	91.81	90.91	92.59	98.71
7	78.19	76.79	75.71	77.94	77.83	79.43	81.51	81.59	81.77	82.15	83.12	85.24	91.49
8	75.24	76.22	77.51	77.42	77.83	79.57	78.74	79.34	79.34	79.77	82.21	87.31	93.11
9	74.55	74.32	73.81	73.49	72.76	73.83	71.44	76.34	77.51	78.69	80.68	79.44	78.49
10	82.33	82.82	84.59	85.89	88.34	82.71	85.93	78.75	81.14	83.68	87.14	84.83	81.38
11	81.53	81.72	84.47	82.12	82.71	81.96	82.92	82.64	84.82	87.84	89.81	86.67	84.23
12	82.27	83.35	85.53	85.44	87.43	85.58	87.33	86.39	87.87	89.92	88.93	87.92	85.99
13	79.00	82.54	81.32	83.84	86.19	83.54	81.24	85.19	85.91	86.09	83.93	85.27	85.27
14	77.46	81.74	85.09	85.27	83.02	82.49	82.66	83.47	82.13	83.92	85.67	82.29	85.82
15	84.4	90.24	89.45	89.67	90.59	87.30	90.29	83.50	85.89	86.27	87.87	85.92	83.43
16	77.62	83.29	82.63	83.44	82.68	82.32	83.47	81.43	84.31	86.63	85.03	83.76	83.92
17	78.67	81.11	83.47	81.83	82.92	81.87	81.20	82.39	81.54	83.83	83.75	79.69	88.74
18	78.33	80.11	81.83	78.82	83.19	78.74	83.47	82.92	81.34	80.50	79.42	76.83	82.23
19	82.22	82.37	80.85	81.69	84.08	81.21	84.69	84.43	84.75	78.20	81.93	80.71	81.41
20	82.59	84.18	80.32	83.76	81.68	84.29	85.58	83.54	83.98	85.88	83.59	81.29	85.72
21	81.49	85.31	80.57	85.73	94.91	92.44	91.63	90.54	94.69	97.00	87.54	82.69	82.72
22	81.17	81.61	83.28	80.31	84.56	84.38	87.18	88.69	86.38	89.38	83.13	82.93	88.84
23	79.25	79.66	79.81	80.59	81.49	82.23	84.91	83.68	84.44	82.82	81.79	78.92	78.84
24	77.73	77.49	76.92	77.84	81.46	81.84	85.27	85.91	85.34	85.12	82.43	81.11	85.85

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RADIAL DISTANCE 250

DATE: 3/23/72

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET									
	7.0	12.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0
50	79.02	79.17	79.09	77.83	77.34	76.66	76.09	75.09	74.09	73.09
63	77.44	76.50	76.04	76.81	76.85	76.32	76.13	75.81	75.58	75.22
80	77.07	76.56	76.01	76.81	76.85	76.32	76.13	75.81	75.58	75.22
100	77.05	76.61	76.03	76.85	76.94	76.24	76.20	76.38	76.19	76.19
125	80.53	79.18	78.95	79.96	81.71	82.82	83.52	87.31	88.58	89.73
160	88.17	79.14	78.49	79.41	82.14	81.89	83.74	86.78	88.34	89.73
200	79.41	78.40	77.97	77.67	78.83	79.58	81.74	85.48	87.39	88.42
250	77.42	76.21	75.19	72.96	73.59	76.55	78.49	79.22	77.41	77.47
315	78.58	78.23	76.82	73.87	75.41	73.69	77.71	77.23	78.07	79.68
400	82.35	82.26	79.41	81.84	76.86	71.74	61.60	68.79	82.69	83.23
500	83.26	83.40	84.65	88.19	88.71	85.20	83.45	83.39	86.81	87.21
630	85.28	85.93	89.19	87.58	87.11	86.60	88.37	85.89	88.87	88.14
800	90.51	82.51	83.67	89.89	87.06	86.64	88.17	85.94	85.11	85.47
1000	79.56	81.09	83.14	83.95	82.15	80.48	88.08	82.37	82.48	84.17
1250	81.03	84.98	83.57	84.28	84.07	84.04	84.49	82.76	84.91	87.37
1600	79.45	81.38	82.11	82.34	81.34	83.55	83.24	82.73	83.59	85.71
2000	79.80	81.49	83.37	81.76	80.86	81.39	79.33	80.79	82.32	83.89
2500	78.85	78.86	80.85	78.45	81.76	77.22	81.78	83.19	82.32	83.89
3150	82.48	81.99	78.81	81.49	82.79	81.79	83.96	85.37	84.73	78.35
4000	82.67	83.31	77.74	83.46	88.17	81.40	84.76	84.98	83.71	84.19
5000	81.30	84.98	89.27	89.74	92.84	90.53	96.12	98.58	92.24	98.85
6300	81.29	81.82	85.83	83.52	86.83	86.44	89.66	92.18	88.34	98.23
8000	79.12	78.31	77.19	79.02	80.19	83.58	84.48	83.64	88.66	89.39
10000	76.52	75.71	77.60	77.93	81.16	80.22	83.48	86.92	89.16	83.29
MEASURED OASPL	98.79	98.92	97.29	99.49	99.09	97.80	100.0	102.7	100.8	102.4
CALCULATED OASPL	94.61	95.37	95.79	97.81	97.34	95.47	100.0	101.6	99.63	100.9
PH08	187.8	180.2	189.6	110.7	111.0	111.3	112.8	110.3	110.3	111.6

OASPL1 199.2

AMBIENT TEMP 32.00
WET-BULB TEMP 30.00
BAR PRESSURE 30.76
ABS. HUMIDITY 3.912

FAA FAN/COMPRESSOR - PHASE 9B + 5C 10VS 9 DEG OPEN T/D 2/17/70

RUN#13 R00=141 SPEED=0000

DATE: 3/03/70

PAGE: 2

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET															
	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0
50	-4.10	-4.35	-7.43	-6.19	-6.16	-4.06	-3.63	-2.49	-3.24	-1.67	1.004	4.690	9.890			
63	-7.18	-6.38	-6.25	-6.08	-6.04	-4.96	-2.259	-3.34	-2.78	-1.98	1.054	4.740	9.213			
80	-5.80	-5.80	-5.82	-6.45	-5.76	-4.04	-3.85	-2.56	-3.81	-1.803	2.838	6.139	8.301			
100	-6.09	-6.03	-7.62	-5.82	-5.71	-4.41	-3.35	-2.06	-3.27	-1.502	2.902	6.393	7.000			
125	-6.26	-5.67	-7.04	-6.05	-5.07	-4.77	-3.27	-1.76	-1.769	2.331	2.917	4.487	6.770			
160	-6.05	-6.09	-8.34	-7.41	-4.89	-5.17	-3.28	-1.90	3.14	3.403	3.191	2.818	4.433			
200	-2.27	-3.19	-6.71	-4.82	-3.65	-2.11	-0.909	-1.08	-2.35	1.818	3.323	5.928	3.777			
250	-4.72	-1.66	-6.69	-4.94	-2.25	-1.34	1.5999	1.338	-4.87	-4.24	2.823	4.157	1.561			
315	1.575	1.616	-6.27	-3.77	-2.23	-3.95	0.622	-1.16	1.229	0.685	3.116	2.321	3.523			
400	1.444	3.781	-2.47	-4.47	-5.00	-3.14	-1.89	-1.89	1.084	3.343	4.510	1.129	0.119			
500	1.156	1.156	-1.86	-1.86	-1.86	-1.86	-1.86	-1.86	1.084	3.343	4.510	1.129	0.119			
630	-2.58	-1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86	1.86			
800	-4.95	-2.95	-3.50	-4.38	1.084	1.177	2.703	1.258	-3.52	0.854	0.854	0.854	0.854			
1000	-2.54	-2.95	-1.86	-1.86	-1.86	-1.86	-1.86	-1.86	-1.86	-1.86	-1.86	-1.86	-1.86			
1250	-2.48	-2.14	-1.15	1.536	-1.86	-1.86	-1.86	-1.86	-1.86	-1.86	-1.86	-1.86	-1.86			
1600	-3.80	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14			
2000	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14			
2500	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14			
3150	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14			
4000	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14			
5000	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14			
6300	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14			
8000	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14			
10000	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14	-1.14			

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AMBIENT TEMP 32.00
WETBULB TEMP 30.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.912

FAA FAN/COMPRESSOR - PHASE 5B + 5C 10VS 9 DEG OPEN T/D 2/17/70

RUN=13 R00=141 SPEED=0500

DATE: 3/02/70

RADIAL DISTANCE 254

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET									
	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0
50	78.01	78.03	76.14	77.02	78.44	78.77	79.85	80.99	82.20	81.79
63	76.98	78.13	78.42	77.84	79.31	79.43	80.89	81.53	81.98	82.33
80	78.37	79.30	77.65	78.12	79.65	80.73	82.08	81.68	83.49	84.78
100	78.59	79.10	77.93	79.74	80.84	81.38	82.15	83.53	84.27	84.18
125	88.10	83.83	78.67	79.92	82.72	82.17	83.48	87.32	89.39	89.69
160	79.94	79.85	78.67	79.92	83.28	81.96	83.67	88.66	90.35	90.74
200	79.62	78.11	75.01	77.72	79.19	79.74	81.72	81.47	82.82	85.18
250	77.48	75.26	72.30	73.19	76.91	76.81	78.43	79.18	77.88	80.91
315	78.57	77.83	75.78	74.18	76.73	74.30	77.78	77.74	78.94	81.25
400	82.13	81.94	79.27	80.97	77.08	79.82	80.96	80.82	82.86	85.25
500	83.39	83.35	84.76	85.24	83.78	85.47	83.46	83.31	86.84	87.39
630	85.39	85.71	88.00	89.49	88.33	89.74	88.31	85.81	88.12	89.94
800	88.94	82.48	81.96	85.85	85.19	86.91	88.19	85.49	85.24	83.18
1000	88.51	81.09	83.18	83.84	83.20	88.44	81.88	82.47	82.81	84.11
1250	82.55	84.76	83.54	86.22	85.80	84.93	84.59	83.59	83.86	83.98
1600	89.66	81.30	81.11	82.26	82.57	83.53	82.49	83.24	82.77	85.71
2000	81.28	81.58	81.75	81.67	82.11	81.24	79.87	89.88	82.26	83.11
2500	80.63	79.06	80.49	78.60	80.81	78.27	82.13	83.19	81.34	78.41
3150	83.48	81.89	78.93	81.54	81.23	81.86	84.26	85.32	84.79	78.31
4000	83.57	83.38	78.27	83.37	81.53	84.48	84.84	84.89	86.53	83.45
5000	84.18	84.94	85.24	89.73	93.21	90.76	96.32	98.59	92.93	87.84
6300	82.53	88.97	84.25	83.49	87.33	84.67	89.95	92.13	88.43	90.40
8000	84.17	78.73	78.26	79.81	82.32	81.98	83.48	83.78	81.85	80.82
10000	78.72	75.71	73.20	77.78	82.46	88.48	83.87	88.66	85.29	83.11
MEASURED OASPL	99.97	90.89	97.62	90.54	100.00	99.49	101.82	102.00	102.53	102.00
CALCULATED OASPL	99.19	95.24	98.14	98.07	98.54	97.45	100.11	101.60	100.66	100.21
PND8	105.12	100.22	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

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OASPL: 159.4

AMBIENT TEMP. 32.80
WETBULB TEMP. 30.80
BAR. PRESSURE 28.75
ABE. HUMIDITY 5.912

VAA FAN/COMPRESSOR - PHASE 38 - 3C 16VS 9 DEG OPEN T/D 2/17/70

RU=13 RD8=142 SPEED=8520

DATE: 3/22/78

PAGE: 2

RACIAL DISTANCE 254

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET										
	7.0	12.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
50	4.74	-4.72	-7.42	-6.93	-5.11	-4.79	-3.71	-2.56	-2.27	-1.76	1.188
63	-7.85	-6.71	-6.43	-6.99	-5.83	-5.39	-2.261	-3.31	-4.85	-2.00	1.126
80	-6.21	-5.27	-6.93	-6.46	-4.72	-3.85	-3.89	-2.69	-1.08	-2.99	2.032
100	-7.02	-6.42	-7.68	-5.95	-4.76	-4.26	-3.46	-2.87	-1.34	-3.16	2.078
125	-6.01	-5.97	-6.13	-6.08	-4.88	-4.04	-3.32	-2.592	-1.743	-2.297	2.092
160	-7.11	-7.20	-8.39	-7.04	-3.77	-3.00	-3.30	1.084	3.291	3.654	3.331
200	-2.15	-3.66	-6.76	-4.86	-2.98	-2.84	-0.49	-1.299	-1.644	3.331	5.096
250	-1.551	-2.27	-5.65	-4.83	-1.12	-1.22	0.834	1.872	-1.34	1.44	1.83
315	.7417	.0049	-3.89	-3.05	-1.09	-0.52	-1.840	-1.592	1.132	1.009	3.194
400	.2637	.0724	-2.59	-0.89	-0.59	-1.71	-1.08	-0.997	2.183	4.050	1.310
500	-1.79	-1.84	-4.34	-0.519	-1.41	-2.97	-1.71	-1.68	1.905	2.718	2.114
630	-2.46	-2.14	-3.36	-1.830	-1.85	1.093	4.38	-2.84	1.505	2.114	1.142
800	-4.74	-3.24	-3.73	-1.489	-2.00	1.324	2.403	0.853	1.484	1.12	2.032
1000	-1.08	-1.41	-1.885	-1.000	-0.882	-1.09	-1.34	1.328	1.767	2.032	-0.315
1250	-2.38	-0.82	-1.39	-1.208	-0.782	-1.05	-1.342	-1.92	1.059	2.046	0.292
1600	-2.13	-1.41	-1.66	-1.33	-1.19	-1.27	-1.383	-1.518	1.821	2.220	1.005
2000	-1.67	-2.34	-1.814	-1.44	-1.09	-1.018	-1.48	-1.47	1.950	2.554	1.41
2500	-1.956	-1.37	-1.588	-2.38	-1.988	-1.16	1.099	2.724	1.396	1.02	1.76
3150	1.087	-1.803	-0.54	-0.89	-1.702	-0.12	1.788	2.040	2.579	-1.16	-1.302
4000	2.133	-0.73	-1.09	-1.45	-1.12	1.119	1.588	1.739	3.172	2.986	0.807
5000	-0.73	-2.40	-1.59	-1.11	-1.709	-2.07	3.200	1.739	-1.547	3.837	-4.09
6300	-7.00	-6.29	-2.92	-3.00	-1.67	-2.40	3.789	4.809	1.264	3.133	-2.10
8000	-0.14	-2.35	-3.02	-1.47	-1.853	-0.53	1.119	2.450	2.740	1.348	0.47
10000	-3.48	-6.13	-3.94	-4.16	-3.807	-1.74	1.528	4.718	3.147	1.267	-1.306

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AMBIENT TEMP. 32.80
 WET-BULB TEMP. 30.80
 BAR. PRESSURE 28.76
 ABS. HUMIDITY 3.912

FAX VAN/COMPRESSOR - PHASE 3B - 5C IGVS 9 DEG OPEN T/D 2/27/78

RUN#13 R06#142 SPEED#0586

DATE: 3/02/70

RADIAL DISTANCE 250

PAGE 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET															
	2.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0 (PWL)
20	79.30	78.26	76.31	76.83	77.76	78.05	79.79	80.25	81.49	81.15	84.39	86.36	93.36	141.1		
30	77.64	77.79	79.12	77.32	78.14	79.16	86.99	88.69	81.08	82.91	86.89	89.56	93.93	142.0		
40	76.32	76.64	77.35	77.19	79.27	80.33	81.99	81.79	83.98	85.34	87.31	90.24	92.17	142.2		
50	79.49	78.86	77.42	78.33	80.84	81.30	82.71	83.41	84.48	85.59	88.48	91.08	93.06	142.8		
100	81.61	83.31	79.18	82.36	83.83	82.35	86.75	91.17	92.99	92.77	98.82	91.48	93.33	147.4		
125	80.95	81.16	77.34	80.30	81.48	81.26	84.63	88.69	90.59	98.44	98.88	91.49	98.14	148.8		
160	80.31	77.49	74.71	77.83	77.75	78.22	81.43	81.15	82.14	82.66	85.46	87.37	84.72	149.8		
200	79.48	74.65	72.88	73.70	73.81	74.96	78.08	78.22	79.19	77.93	81.98	82.89	82.18	150.8		
250	78.72	77.85	76.37	73.75	74.75	74.96	77.88	75.91	78.83	77.79	79.16	78.79	80.11	151.8		
315	83.09	85.35	87.11	83.31	85.83	83.14	85.84	88.44	88.16	89.26	89.76	93.01	91.03	152.0		
400	82.32	82.43	83.37	82.64	83.19	83.17	83.67	83.48	84.72	86.36	89.22	89.48	83.29	148.2		
500	83.09	82.71	82.30	84.00	84.00	82.58	88.18	83.17	84.98	87.87	89.80	87.00	89.78	148.2		
630	81.64	80.47	78.06	82.78	83.35	82.83	88.82	88.84	88.73	87.21	88.32	86.38	88.78	148.2		
800	80.00	81.49	80.07	80.24	83.91	83.86	83.37	83.86	83.86	83.86	83.86	84.26	81.72	148.2		
1000	82.82	86.44	85.16	86.47	88.66	85.39	91.24	83.14	87.74	87.73	89.85	84.26	81.72	148.2		
1250	80.72	80.70	81.49	82.33	82.71	83.29	83.37	83.99	84.43	85.65	84.54	83.47	81.44	148.2		
1600	80.58	80.86	82.30	82.14	83.09	83.28	81.84	83.98	83.34	84.29	85.82	78.90	78.79	141.7		
2000	80.69	78.27	80.94	78.83	83.84	79.08	82.38	82.78	81.79	84.81	79.48	77.90	78.46	140.8		
2500	82.52	81.89	78.13	82.81	85.54	82.67	84.19	88.04	84.99	79.28	87.22	88.82	88.73	140.8		
3150	83.17	83.48	78.73	83.87	83.87	83.87	86.21	89.42	86.41	84.99	87.38	81.81	82.83	140.8		
4000	81.70	84.72	86.38	85.29	88.44	90.33	91.39	93.88	92.16	97.38	87.97	88.88	81.11	140.8		
5000	81.94	80.97	80.09	80.11	84.77	82.58	82.63	80.32	87.27	89.21	83.40	88.25	79.12	147.4		
6300	88.19	79.25	77.87	80.36	85.31	81.45	82.68	85.39	87.40	81.78	83.79	88.77	77.89	149.9		
8000	78.40	76.75	75.79	77.86	81.54	80.82	82.59	87.51	86.67	84.80	83.44	79.99	76.07	148.8		
10000																
MEASURED OASPL	189.0	98.48	97.12	97.38	99.77	98.64	189.7	183.3	181.9	183.8	182.3	182.1	183.4			
CALCULATED OASPL	95.84	95.28	95.39	95.39	95.37	96.87	97.17	111.1	111.2	118.3	118.3	118.3	118.3			
PND8	180.0	197.9	186.5	180.4	111.9	111.1	112.6	112.6	113.0	115.9	111.4	108.7	108.3			

OASPL1 182.1

AMBIENT TEMP. 32.00
WET-BULB TEMP. 38.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.922

FAA FAN/COMPRESSOR - PHASE 3B - 5C 10VS 9 DBS OPEN 7/0 2/17/70

RUN#13 RDB#143 SPE#0-0300

DATE: 3/02/70

PAGE: 2

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET															
	2.5	12.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0
50	-4.08	-5.12	-7.07	-5.54	-5.02	-4.73	-3.59	-3.13	-1.89	-2.23	1.887	4.980	9.977			
63	-7.08	-6.95	-5.62	-5.42	-5.59	-5.58	2.254	-4.04	-2.93	-1.83	1.358	4.764	9.189			
82	-5.77	-5.65	-6.65	-6.12	-5.82	-4.84	-3.19	-2.49	-2.98	2.458	3.819	5.949	7.879			
102	-5.99	-7.44	-8.87	-6.16	-4.85	-4.23	-2.78	-2.09	-1.93	1.858	3.133	4.389	7.864			
125	-7.68	-8.91	-12.08	-6.06	-6.19	-6.67	-2.47	1.951	3.739	3.548	3.505	2.884	4.989			
160	-8.96	-5.75	-0.57	-0.52	-5.43	-5.66	-2.28	1.777	3.488	3.926	3.982	2.881	5.127			
200	-1.28	-4.89	-0.88	-0.52	-3.85	-3.87	-1.52	-1.41	5.408	1.870	3.982	5.729	3.120			
252	1.458	-3.38	-5.81	-0.53	-1.21	-3.87	-0.67	1.933	1.392	1.895	3.981	4.098	4.181			
315	1.777	1.889	-0.74	-0.49	-2.19	-1.58	-0.49	-0.83	1.731	1.898	2.821	1.882	3.480			
400	-8.48	1.487	3.166	-0.81	1.887	-1.895	1.893	-3.49	-1.78	1.537	3.817	-3.318	-2.229			
500	-2.08	-1.77	-1.33	-1.75	7.873	-1.24	-7.730	-1.08	3.158	1.951	4.814	1.616	-1.21			
630	-5.16	-3.57	-3.98	-2.28	6.812	-7.78	1.983	8.988	7.198	1.395	3.223	1.616	-9.78			
800	-1.30	-3.26	-4.17	-2.31	1.878	-1.90	3.987	1.880	1.731	3.878	1.798	2.172	1.33			
1000	-3.94	-2.53	2.183	1.388	4.889	-1.19	-1.62	-2.46	-1.96	-1.916	-1.879	-1.833	-2.886			
1252	-8.82	-6.82	-1.08	-5.69	3.822	-1.37	4.197	-2.98	7.828	1.883	-1.438	-2.78	-2.86			
1600	-2.08	-3.89	-1.38	-4.74	1.889	-0.99	-3.883	-0.82	1.429	2.446	1.746	0.728	-1.36			
2000	-1.17	-0.95	5.42	3.818	2.142	1.538	1.699	1.741	5.891	2.934	8.649	-2.08	-2.97			
2502	-3.73	-2.16	2.231	-3.49	3.416	-0.83	2.785	1.389	1.329	1.889	-1.994	-0.82	-3.73			
3150	-1.77	-1.88	-4.97	2.688	2.888	-1.888	1.487	2.785	2.884	-3.48	1.878	-1.88	-2.87			
4000	-3.74	-2.99	-3.92	1.844	-1.82	9.332	2.464	6.723	2.439	1.816	3.485	-2.54	-3.18			
5000	-7.42	-6.98	-8.25	-1.46	-1.27	-1.37	-1.39	5.676	4.838	5.446	-2.73	-0.45	-1.82			
6300	-5.08	-4.82	-2.49	-1.88	-2.22	-2.47	3.887	3.331	2.281	4.119	-1.81	-4.78	-1.89			
8000	-1.64	-2.59	-3.07	-1.48	1.638	-1.97	4.388	3.559	3.648	-1.443	4.884	-3.82	-3.88			
10000	-4.18	-3.87	-6.83	-8.55	-1.87	-2.59	-1.828	4.896	4.258	2.281	-1.174	-2.83	-3.94			

D37

AMBIENT TEMP. 32.00
WET-BULB TEMP. 38.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.612

FAA FAN/COMPRESSOR - PHASE 5B + 5C 10VS 9 DEG OPEN T/D 2/17/70

RUN#13 RDO#143 SPEED#8388

DATE: 3/82/78

RADIAL DISTANCE 250

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	2.2	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
FREQ:																					
50	77.55	77.03	75.91	76.25	77.64	77.87	79.31	80.19	81.42	83.11	83.52	87.24	92.35	140.1							
63	75.29	76.20	78.93	77.59	78.32	78.59	80.93	80.41	81.51	82.92	83.50	88.16	92.90	141.9							
80	76.40	76.68	77.43	78.08	79.33	80.08	80.76	81.54	83.31	84.33	87.84	90.16	92.02	142.0							
100	77.04	77.82	77.99	79.46	80.49	81.14	82.09	83.26	84.45	86.21	88.25	91.31	95.55	142.3							
125	83.13	87.48	88.19	88.31	84.05	83.53	83.31	81.91	82.48	83.71	83.16	81.68	83.39	149.3							
160	79.49	81.13	76.76	79.59	81.08	82.14	83.14	85.89	87.81	87.45	88.78	89.89	92.08	148.4							
200	78.29	76.55	74.41	77.18	78.83	79.23	81.65	81.08	81.41	82.41	84.94	87.44	89.54	139.8							
250	76.68	73.29	70.84	73.88	76.84	76.04	78.02	79.44	79.24	77.66	80.76	81.78	83.48	134.5							
315	75.38	74.32	73.77	71.78	73.76	72.14	75.44	75.77	76.38	77.39	78.38	78.42	79.25	131.3							
400	77.42	77.21	78.65	77.63	77.24	76.76	77.20	77.31	80.58	83.84	84.99	88.08	91.19	133.5							
500	79.88	82.39	83.29	87.84	87.89	86.19	85.92	84.51	85.22	86.35	89.55	88.48	89.97	144.8							
630	88.71	82.84	81.99	84.21	85.36	84.73	84.15	84.46	86.08	88.98	88.08	87.19	88.91	143.8							
800	81.80	81.31	81.49	81.86	81.31	83.70	80.57	81.50	83.51	85.02	88.38	84.89	85.46	140.1							
1000	79.88	81.17	82.74	83.78	85.46	83.74	83.64	81.82	83.24	85.88	84.94	83.13	84.59	138.2							
1250	83.49	83.37	88.74	85.60	94.74	93.35	90.32	87.82	88.46	89.93	88.97	87.09	88.82	138.2							
1600	79.36	82.96	84.08	86.12	89.81	86.59	85.00	82.69	83.94	86.93	83.99	83.09	84.17	138.7							
2000	79.20	81.78	84.40	85.81	84.84	84.09	82.18	81.85	82.38	83.98	82.99	83.17	84.49	140.6							
2500	77.64	78.77	81.83	79.99	88.48	88.14	85.68	82.79	81.39	79.08	78.07	77.80	78.88	141.3							
3150	81.58	81.98	79.12	83.25	83.41	82.08	83.88	83.19	83.18	79.51	80.44	81.89	83.49	148.3							
4000	83.21	84.68	88.17	88.89	82.74	89.88	86.51	83.77	88.19	83.91	82.84	81.78	83.49	148.3							
5000	84.30	84.75	87.87	88.50	92.36	89.88	91.18	94.89	91.32	93.98	89.88	83.75	85.42	151.9							
6300	82.87	82.23	84.24	81.57	88.17	82.38	85.68	86.45	88.46	88.46	88.88	88.58	90.39	140.4							
8000	88.16	88.21	78.49	81.53	85.45	82.87	84.82	84.86	84.99	80.56	82.12	79.48	79.55	149.9							
10000	78.11	77.61	77.12	77.80	81.75	81.42	85.22	84.92	85.59	84.69	81.58	80.23	79.67	143.4							
MEASURED OARPL	96.50	97.62	97.77	100.4	101.1	99.07	100.6	100.9	100.9	102.8	102.8	102.8	102.8	102.8							
CALCULATED OARPL	94.81	95.87	96.12	99.11	99.82	98.47	99.38	99.61	99.98	100.3	100.3	100.3	100.3	100.3							
PNDB	107.3	108.9	108.5	110.8	113.2	111.2	111.8	113.8	112.7	114.3	112.1	109.4	108.1								

OARPL: 100.9

AMBIENT TEMP: 32.00
WET-BULB TEMP: 30.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.912

FAA FAN/COMPRESSOR - PHASE 3B + 3C 10VS 9 DEG OPEN T/D 2/17/78

RUN=13 R00=144 SPEED=6100

DATE: 3/02/70

RADIAL DISTANCE 252

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET															
	2.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0
50	-4.81	-5.34	-6.46	-6.12	-4.73	-4.49	-2.06	-2.17	-0.97	-1.26	1.154	4.072	9.479	1.154	4.072	9.479
63	-8.95	-7.94	-5.22	-6.55	-5.82	-5.55	2.789	-3.73	-2.83	-1.22	1.361	4.769	7.759	1.361	4.769	7.759
80	-7.66	-7.10	-6.64	-5.90	-4.73	-3.90	-3.31	-2.52	-1.55	1.203	2.976	6.091	7.959	2.976	6.091	7.959
100	-8.09	-8.11	-7.54	-5.63	-4.44	-3.97	-3.03	-2.18	-1.03	1.082	3.116	6.174	7.422	3.116	6.174	7.422
125	-6.48	-2.10	-0.48	-6.20	-4.94	-3.87	-2.59	-1.788	1.805	2.332	3.603	3.982	4.009	3.603	3.982	4.009
160	-5.03	-3.98	-6.36	-5.52	-4.11	-2.86	-2.19	-1.788	1.805	2.332	3.603	3.982	4.009	3.603	3.982	4.009
200	-3.14	-4.09	-6.02	-4.29	-3.01	-2.00	-2.29	-1.354	-1.232	1.906	3.499	6.082	3.187	3.499	6.082	3.187
250	-1.72	-4.71	-7.97	-4.92	-3.97	-1.16	8.164	1.436	1.232	-1.740	2.754	3.771	4.443	2.754	3.771	4.443
315	-0.94	-1.34	-2.39	-3.84	-1.66	-3.82	7.788	1.181	0.478	1.412	2.086	3.945	3.982	2.086	3.945	3.982
400	-2.08	-3.38	-2.13	-2.17	-1.56	-3.86	-2.81	-1.28	1.703	1.008	3.108	3.178	1.187	3.108	3.178	1.187
500	-5.11	-2.35	-2.45	2.590	2.153	1.916	1.883	-1.23	-0.517	0.875	3.605	1.369	-5.177	3.605	1.369	-5.177
630	-4.18	-2.83	-2.86	-0.74	1.733	-1.59	-1.741	-1.423	1.150	2.115	3.763	2.335	-1.081	3.763	2.335	-1.081
800	-4.08	-3.82	-3.63	-3.00	1.104	-1.48	4.442	1.957	1.378	2.018	1.716	-0.331	-3.237	1.716	-0.331	-3.237
1000	-3.77	-1.85	-1.89	3.380	3.448	1.081	1.864	-1.76	1.081	1.864	1.419	-0.419	-3.237	1.419	-0.419	-3.237
1250	-3.70	-1.22	-1.80	4.137	3.083	2.045	-1.804	-1.74	-2.32	1.834	-1.82	-3.300	-5.24	-1.82	-3.300	-5.24
1600	-4.06	-1.06	-1.10	2.898	1.769	2.368	0.889	-1.33	-0.380	0.134	-1.87	-0.332	-3.303	-1.87	-0.332	-3.303
2000	-3.30	-0.75	1.642	2.554	2.201	2.844	-1.477	-1.60	-0.399	1.249	-1.564	-2.49	-5.16	-1.564	-2.49	-5.16
2500	-3.18	-2.25	0.841	-1.83	4.603	-0.604	2.350	1.763	1.719	-2.19	-1.6	3.13	-4.82	-1.6	3.13	-4.82
3150	-1.00	-0.55	1.59	0.64	2.767	0.889	2.300	1.988	1.817	-4.13	-1.04	-1.55	-4.82	-1.04	-1.55	-4.82
4000	-1.79	0.752	-3.83	1.809	-1.27	1.011	2.581	-2.39	1.984	1.066	1.828	-0.26	-3.82	1.828	-0.26	-3.82
5000	-6.11	-3.74	-2.62	-1.91	1.871	-1.41	0.604	3.681	1.700	4.466	-0.984	-0.74	-0.87	-0.984	-0.74	-0.87
6300	-1.10	-1.69	3.068	-2.36	1.241	-1.41	1.783	2.518	3.836	2.136	-1.34	-3.28	-0.33	2.136	-1.34	-3.28
8000	-1.74	-1.71	-2.45	-1.52	1.541	1.509	2.304	2.941	3.377	-1.34	1.849	-2.49	-4.37	1.849	-2.49	-4.37
10000	-4.13	-1.62	-5.11	-1.84	-1.477	-0.810	2.700	2.086	3.320	2.433	-1.080	-1.49	-3.54	-1.080	-1.49	-3.54

D39

AMBIENT TEMP: 32.00
WET-BULB TEMP: 30.00
BAR. PRESSURE: 26.76
ABS. HUMIDITY: 3.912

FAA FAN/COMPRESSOR - PHASE 5B + 5C 10VS 9 DEG OPEN T/D 2/1779

PUN=13 RDG=144 SPEED=8100

RADIAL DISTANCE 250

SOIL PRESSURE LEVELS DIRECTIVITY INDEX

ANGLE	30	45	60	75	90	105	120	135	150	165	180	195	210	225	240	255	270	285	300
50	-4.07	-5.31	-6.44	-6.18	-6.17	-6.82	-2.73	-2.46	-2.44	-1.17	1.21	4.71	9.64						
45	-6.33	-6.28	-6.95	-6.58	-7.02	-5.73	1.51	3.18	-2.18	-1.26	9.83	4.25	8.69						
40	-7.28	-6.78	-6.52	-5.85	-5.99	-4.07	3.00	-2.38	-1.42	4.48	2.09	5.93	8.12						
35	-7.32	-7.14	-7.19	-5.58	-5.29	-3.08	-2.42	-1.26	-1.35	1.58	3.49	5.37	7.07						
30	-5.26	-2.23	-2.79	-1.42	-2.59	-1.97	-3.47	-3.29	-1.11	1.87	1.58	2.49	4.72						
25	-4.62	-3.83	-3.82	-3.84	-2.18	-2.38	-2.26	-1.59	-1.39	1.46	3.82	4.61	5.85						
20	-3.23	-4.06	-6.12	-3.73	-3.79	-1.88	-2.49	-1.56	-1.22	1.82	3.25	4.13	3.84						
15	-1.53	-4.27	-6.35	-2.49	-2.52	-1.23	-1.47	-1.06	-0.82	1.33	2.24	3.10	3.91						
10	1.48	-4.95	-1.17	-2.53	-2.92	-2.62	-1.04	-1.14	-1.43	2.02	3.00	2.04	1.43						
5	1.12	-1.08	-2.11	-3.71	-4.31	-3.89	-1.30	-1.18	1.13	2.92	4.08	1.65	1.18						
0	-1.69	-1.44	-2.89	-2.56	-1.82	-2.89	-2.12	-1.05	1.83	3.92	4.08	1.65	1.18						
350	-3.72	-1.59	-3.38	-1.67	-0.85	-0.92	-0.20	-1.13	2.12	1.42	1.43	2.88	2.28						
345	-3.39	-1.25	-2.62	-1.84	-3.44	-1.27	1.14	-1.30	1.74	3.05	1.81	1.46	1.33						
340	-8.05	-1.17	-1.61	3.20	3.67	4.05	1.49	-3.57	-3.38	-2.30	-1.72	-1.47	-1.82						
335	-5.29	-2.55	-0.88	1.78	1.84	1.87	0.87	0.87	0.87	0.87	0.87	0.87	0.87						
330	-5.26	-3.95	1.42	9.28	2.88	2.14	-2.26	-2.23	-2.23	-2.23	-2.23	-2.23	-2.23						
325	-3.46	-2.42	1.45	-4.99	4.07	3.72	1.61	1.93	4.15	-1.68	-2.39	-3.27	-3.27						
320	-1.64	-2.78	-2.68	1.63	3.68	1.05	3.32	1.39	1.87	-0.68	-2.08	-2.78	-3.67						
315	-0.63	1.29	-2.68	2.49	-0.75	2.22	1.63	0.44	2.11	1.99	-1.12	-3.11	-2.09						
310	-3.28	-3.69	-1.22	0.38	-0.75	-1.57	-2.79	0.89	1.68	4.81	-1.66	-4.63	-6.34						
305	-3.69	-1.84	1.22	1.66	-1.39	1.01	1.01	2.13	2.79	3.17	-2.27	-2.85	-4.14						
300	-9.71	-1.48	-1.13	0.99	-0.88	1.43	1.28	2.62	1.63	1.63	1.63	1.63	1.63						
295	-4.57	-4.95	-4.28	-2.62	-2.24	-2.14	1.62	1.63	1.63	1.63	1.63	1.63	1.63						
290																			

D41

Ambient Temp. 32.32
-E-Wind Temp. 32.02
-E-Wind Press. 28.74
-E-Wind Dir. 3.912

FAA FAX/CJ-PRESSER - PHASE 58 - 10 1015 9 DEG OPEN Y/D 2/12/78

RUN 500 RUN 500 SPEED 57000

RADIAL DISTANCE 250

PAGE 1

DATE: 2/28/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	2.2	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
20	75.46	74.98	74.22	74.37	74.43	75.77	78.16	78.82	78.88	78.72	78.88	78.72	81.42	81.42	81.42	81.42	81.42	81.42	81.42	81.42	81.42
30	73.99	74.46	73.97	75.92	75.33	75.79	76.00	76.04	76.04	76.04	76.04	76.04	76.04	76.04	76.04	76.04	76.04	76.04	76.04	76.04	76.04
40	73.31	73.91	75.12	75.29	75.39	77.12	77.96	79.14	80.91	81.06	83.75	80.16	83.75	80.16	83.75	80.16	83.75	80.16	83.75	80.16	83.75
50	74.22	74.74	74.71	76.42	76.60	77.02	78.79	80.23	81.46	82.05	84.91	80.65	84.91	80.65	84.91	80.65	84.91	80.65	84.91	80.65	84.91
60	81.46	84.15	81.30	82.18	80.69	81.32	79.27	80.89	81.46	82.05	84.91	80.65	84.91	80.65	84.91	80.65	84.91	80.65	84.91	80.65	84.91
70	75.15	74.17	73.87	75.59	74.21	75.03	76.52	79.22	81.15	81.00	83.02	85.27	86.43	85.27	86.43	85.27	86.43	85.27	86.43	85.27	86.43
80	74.18	72.13	71.74	73.78	74.59	76.06	79.32	77.09	78.25	79.33	81.21	83.25	88.25	83.25	88.25	83.25	88.25	83.25	88.25	83.25	88.25
90	71.43	68.92	67.36	70.15	71.15	73.29	74.65	75.11	75.33	75.45	77.37	77.61	78.02	77.61	78.02	77.61	78.02	77.61	78.02	77.61	78.02
100	72.26	71.16	71.36	68.98	68.97	68.93	72.18	71.50	72.32	73.42	74.73	76.48	75.17	76.48	75.17	76.48	75.17	76.48	75.17	76.48	75.17
110	70.12	74.27	75.99	74.88	72.48	73.41	74.89	75.69	77.22	79.51	81.84	81.84	81.84	81.84	81.84	81.84	81.84	81.84	81.84	81.84	81.84
120	77.14	77.25	77.53	77.58	77.68	77.97	78.33	79.08	81.11	83.48	85.97	85.97	85.97	85.97	85.97	85.97	85.97	85.97	85.97	85.97	85.97
130	77.81	78.17	77.44	79.42	78.99	79.77	80.72	80.83	81.71	83.48	85.97	85.97	85.97	85.97	85.97	85.97	85.97	85.97	85.97	85.97	85.97
140	76.38	76.79	75.62	77.62	78.16	78.94	80.29	83.91	88.81	89.16	84.35	82.88	81.21	84.35	82.88	81.21	84.35	82.88	81.21	84.35	82.88
150	74.67	78.78	81.59	83.17	80.77	81.02	79.62	78.49	80.24	80.16	81.51	79.71	77.81	80.16	81.51	79.71	77.81	80.16	81.51	79.71	77.81
160	68.39	66.37	89.20	93.19	91.12	93.88	91.71	84.38	86.06	85.17	87.13	87.13	87.13	87.13	87.13	87.13	87.13	87.13	87.13	87.13	87.13
170	74.58	78.78	84.35	88.21	85.88	85.17	84.04	81.08	81.45	84.20	82.88	81.08	81.08	81.08	81.08	81.08	81.08	81.08	81.08	81.08	81.08
180	77.23	80.38	84.73	86.77	87.08	89.24	89.19	81.55	81.69	83.59	82.34	79.38	76.13	82.34	79.38	76.13	82.34	79.38	76.13	82.34	79.38
190	75.29	76.46	79.42	79.80	82.94	88.93	82.02	80.69	73.37	77.11	77.09	76.88	74.10	77.09	76.88	74.10	77.09	76.88	74.10	77.09	76.88
200	88.08	82.06	76.83	84.89	85.71	85.14	84.47	83.77	83.38	84.31	84.84	88.26	79.33	84.31	84.84	88.26	79.33	84.31	84.84	88.26	79.33
210	82.45	84.88	80.38	85.94	82.58	85.83	84.83	83.64	85.18	84.31	84.84	88.26	79.33	84.31	84.84	88.26	79.33	84.31	84.84	88.26	79.33
220	87.31	89.17	87.48	87.13	89.78	92.73	90.21	92.73	90.21	92.73	90.21	92.73	90.21	92.73	90.21	92.73	90.21	92.73	90.21	92.73	90.21
230	83.84	83.07	83.62	80.34	81.91	83.94	83.48	83.67	83.94	83.48	83.67	83.94	83.48	83.67	83.94	83.48	83.67	83.94	83.48	83.67	83.94
240	81.42	81.34	79.34	88.97	88.83	83.13	81.96	81.27	83.31	79.78	82.38	77.42	76.44	82.38	77.42	76.44	82.38	77.42	76.44	82.38	77.42
250	79.97	79.77	78.09	80.22	79.59	82.60	85.95	84.57	82.16	85.95	82.22	77.05	77.11	82.22	77.05	77.11	82.22	77.05	77.11	82.22	77.05
MEASURED CASPL	94.86	90.82	97.87	99.29	98.39	99.45	99.17	98.12	98.95	100.4	99.58	99.95	99.93	99.58	99.95	99.93	99.58	99.95	99.93	99.58	99.93
CALCULATED CASPL	93.17	95.87	93.83	96.88	97.93	98.35	98.07	96.14	97.88	97.11	98.83	97.18	97.98	98.83	97.18	97.98	98.83	97.18	97.98	98.83	97.18
PNDB	107.6	109.4	116.0	111.4	110.5	118.4	111.5	111.9	111.6	111.9	111.7	108.8	107.7	111.7	108.8	107.7	111.7	108.8	107.7	111.7	108.8

GRAPH:

AMBIENT TEMP: 32.00
 WET-BULB TEMP: 30.00
 BAR. PRESSURE: 29.76
 ABS. HUMIDITY: 3.912

FAA FAN/COMPRESSOR - PHASE 9B - 5C 10V5 9 DEG OPEN Y/D 2/17/78

RUN=13 ADD=146 SPEED=7700

DATE: 6/28/72

PAGE: 2

RADIAL DISTANCE 250

SOURCE PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLE FROM INLET									
	0.0	12.0	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0
50	-4.58	-5.95	-5.70	-5.73	-5.59	-4.26	-1.88	-1.95	-1.23	-1.31
63	-8.04	-7.58	-4.86	-6.12	-6.51	-5.25	-4.564	-3.98	-2.43	-1.37
87	-7.41	-6.51	-5.59	-5.43	-5.13	-3.59	-2.76	-1.58	-1.79	-1.44
102	-7.53	-7.51	-7.84	-5.33	-4.87	-3.93	-2.96	-1.52	-1.87	-1.99
125	-2.86	-1.74	-3.81	-2.14	-3.03	-2.99	-5.85	-3.12	-2.32	-1.98
142	-8.11	-6.96	-6.66	-4.66	-4.84	-2.22	-1.74	-1.13	-0.66	-1.08
167	-3.69	-5.74	-5.13	-4.89	-3.28	-1.81	-1.45	-1.14	-0.87	-1.41
202	-2.57	-5.46	-4.54	-3.85	-3.05	-2.05	-1.48	-1.10	-0.72	-1.34
252	-1.763	-1.923	-1.729	-3.11	-3.11	-3.23	-0.915	-0.52	-0.12	-1.334
315	-0.822	-2.07	-1.947	-2.66	-4.49	-3.33	-2.84	-1.24	-0.28	-1.334
402	-3.18	-2.39	-3.79	-2.73	-2.83	-2.33	-2.26	-1.32	-0.72	-1.334
500	-3.47	-3.11	-3.64	-1.86	-1.29	-1.51	-0.92	-0.55	-0.28	-1.334
632	-6.47	-5.89	-9.81	-4.88	-4.32	-2.74	-2.16	-1.43	-0.78	-1.334
807	-5.44	-1.33	-1.85	-3.859	-6.54	-1.11	-0.87	-1.11	-1.93	-0.68
1022	-6.73	-2.33	-1.844	-4.834	-2.699	-2.682	-2.585	-2.12	-1.82	-3.25
1252	-6.71	-4.96	-1.867	-1.926	-1.808	-2.001	-1.599	-0.78	-1.82	-3.25
1602	-7.39	-4.32	-1.238	-1.149	-2.108	-1.13	-0.767	-0.38	-1.82	-3.25
2002	-4.17	-2.79	-1.836	-3.424	-3.484	-1.688	-1.164	-1.135	-0.93	-2.38
3152	-1.84	-1.493	-3.49	-1.972	-3.192	-1.922	-1.949	-1.449	-0.839	-2.38
4002	-1.32	-1.12	-3.47	-1.749	-1.19	-2.859	-2.259	-1.158	-1.14	-4.395
5002	-3.93	-1.18	-1.428	-2.810	-1.37	-1.588	-1.739	-1.558	-2.83	-4.395
6302	-1.468	-1.299	-1.246	-2.83	-0.71	-1.488	-1.547	-1.18	-1.82	-4.395
8002	-0.798	-0.837	-1.48	-1.88	-0.56	-2.888	-1.219	-0.277	-1.572	-4.395
10002	-2.95	-3.15	-4.63	-2.76	-3.33	-1.229	-3.828	-1.633	-4.339	-4.395

D43

AMBIENT TEMP. 32.00
WET-BULB TEMP. 30.00
BAR. PRESSURE 25.75
ABS. HUMIDITY 5.912

FAA FAN/COMPRESSOR - PHASE 50 - SC 10VS 9 DEG OPEN T/D 2/17/70

RUN#13

R0G#144

SPEED#7780

DATE: 3/04/70

RADIAL DISTANCE 250

PAGE 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	12.0	15.0	18.0	20.0	25.0	30.0	35.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	120.0	150.0	180.0	200.0
31.5	75.02	74.65	73.73	73.26	73.59	74.72	77.49	76.95	77.73	78.05	80.07	83.31	87.49	130.0													
43	76.03	74.56	74.13	73.98	73.92	75.54	80.71	77.99	77.99	79.34	82.16	84.98	88.41	137.0													
60	77.92	73.22	73.76	73.29	73.76	75.54	80.71	77.99	77.99	79.34	82.16	84.98	88.41	137.0													
80	76.23	73.14	73.39	73.49	73.19	76.72	77.75	78.95	79.84	81.55	83.31	86.22	89.50	130.0													
100	75.46	72.27	74.11	73.35	74.32	77.04	77.81	78.07	83.34	87.59	91.35	97.61	103.39	140.0													
125	76.44	73.86	73.92	73.16	73.86	76.85	77.62	77.92	79.81	83.40	87.33	93.51	100.3	130.0													
160	77.91	71.31	71.32	70.97	73.43	75.32	76.85	76.89	77.67	78.18	79.33	81.38	84.3	130.0													
200	72.46	68.28	66.124	65.65	70.50	73.56	74.31	75.83	75.29	74.12	73.02	70.39	70.07	131.0													
250	72.92	71.87	70.14	68.70	68.30	68.63	71.59	71.27	72.36	71.86	70.23	70.39	70.07	131.0													
315	72.28	74.34	74.62	72.89	72.47	72.14	74.02	72.44	74.44	72.94	71.83	70.48	70.99	130.0													
400	77.33	77.77	77.46	77.07	75.79	76.78	77.23	78.37	81.23	84.92	88.35	93.52	99.07	137.0													
500	76.48	76.21	76.11	76.48	76.37	76.74	76.78	77.23	78.37	81.23	84.92	88.35	93.52	137.0													
630	75.28	75.91	75.31	75.99	76.52	76.74	76.66	76.88	77.51	78.95	82.00	85.34	89.03	140.0													
800	76.06	76.91	77.70	78.35	77.33	78.31	77.89	76.92	79.11	79.54	76.78	73.90	73.90	137.0													
1000	75.55	84.35	81.88	83.87	84.35	87.41	87.84	82.37	86.77	87.84	87.31	82.48	77.78	140.0													
1250	76.16	78.74	83.98	83.79	81.86	83.77	82.17	80.57	81.78	83.98	81.82	78.39	77.49	137.0													
1600	76.71	78.64	83.91	83.18	80.95	83.24	85.32	81.47	81.78	83.36	81.34	78.48	77.87	144.0													
2000	75.93	76.16	79.76	81.86	80.06	83.82	84.69	81.37	81.78	77.56	77.03	75.82	73.87	144.0													
2500	85.44	81.34	77.92	85.74	88.31	85.89	85.34	83.51	87.63	77.93	81.19	76.73	77.39	144.0													
3150	83.34	85.46	88.26	88.08	87.22	86.71	86.92	84.10	87.48	86.08	84.30	80.84	79.95	138.0													
4000	87.87	91.32	87.77	90.46	91.36	94.26	97.84	91.81	95.47	94.71	89.36	87.30	84.32	138.0													
5000	85.00	85.46	84.96	83.38	82.29	84.62	83.92	86.10	84.57	88.97	88.97	78.59	78.31	149.0													
6300	85.99	81.34	78.98	81.68	81.84	80.77	81.44	80.88	82.76	80.23	80.78	74.64	76.75	144.0													
8000	88.08	88.49	76.75	81.47	88.14	85.88	86.92	83.42	87.80	85.61	81.97	77.38	77.27	149.0													

MEASURED CASPL
CALCULATED CASPL
PNDB

AMBIENT TEMP. 32.00
WET-BULB TEMP. 30.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.612

FAX FAX/COMPRESSOR - PHASE 5B + 5C 10VS 9 DEG OPEN Y/D 2/17/70

RU=13 RDG=149 SPEED=7500

QAPHL1 1897.8

DATE: 3/04/72

PAGE: 2

RADIAL DISTANCE 250

SOUND PRESSURE LEVEL DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET									
	10.0	12.0	25.0	32.0	42.0	54.0	67.0	76.0	80.0	90.0
50	-3.17	-4.14	-5.06	-5.82	-5.19	-4.28	-1.29	-1.82	-1.08	-1.72
63	-6.52	-6.59	-5.02	-5.17	-6.13	-5.61	-5.91	-3.25	-3.16	-1.81
80	-6.12	-5.03	-5.28	-4.79	-5.28	-3.52	-2.34	-1.49	-1.60	-1.99
100	-6.29	-7.18	-6.93	-4.83	-5.13	-3.66	-2.58	-1.37	-1.22	-1.26
125	-7.25	-5.77	-8.62	-7.38	-6.71	-4.79	-4.92	-2.64	-1.22	-1.53
160	-4.29	-5.67	-8.61	-6.58	-3.69	-1.69	-1.11	-1.13	-1.77	-1.74
200	-2.88	-5.08	-5.47	-3.82	-3.36	-2.47	-2.257	-1.976	-1.32	-1.32
250	-2.01	-5.29	-7.25	-4.85	-2.91	-1.661	-1.282	-1.336	-1.084	-1.226
315	1.242	-5.87	-1.51	-2.87	-3.36	-1.83	-1.078	-1.392	-1.697	-1.282
400	1.479	-1.44	-1.16	-1.88	-3.10	-1.63	-1.75	-3.31	-1.31	-1.35
500	-1.64	-1.19	-1.48	-1.89	-3.17	-2.18	-2.28	-1.73	-1.37	-2.28
630	-2.74	-3.81	-3.11	-1.886	-1.856	-1.854	-2.665	-1.991	-1.485	-2.429
800	-6.28	-3.77	-6.17	-4.40	-2.96	-1.739	-1.187	-1.199	-1.14	-1.42
1000	-2.16	-1.21	-1.424	-2.128	-1.894	-1.888	-1.331	-1.258	-1.953	-1.336
1250	-6.08	-1.73	-1.63	-3.168	-1.783	-2.858	-1.125	-1.228	-1.222	-1.428
1600	-5.11	-8.93	-3.13	-2.476	-1.858	-2.883	-1.086	-1.183	-1.441	-1.261
2000	-8.27	-6.33	-1.87	-3.184	-3.978	-5.264	-3.432	-3.51	-1.74	-1.12
2500	-5.76	-8.14	-1.54	-2.38	-3.565	-1.785	-3.488	-1.833	-1.48	-1.19
3150	-3.19	-2.88	-1.78	-2.138	-1.881	-2.884	-1.938	-1.14	-1.828	-1.939
4000	-1.49	-2.83	-1.57	-2.148	-1.12	-1.873	-2.886	-1.732	-1.352	-1.235
5000	-4.75	-4.91	-1.83	-1.643	-1.336	-2.441	-1.97	-1.285	-1.661	-1.894
6300	1.599	1.903	1.486	-1.178	-1.899	-1.19	1.148	-1.404	-1.823	-1.804
8000	2.448	7.922	-1.37	-1.148	-1.853	-2.144	1.817	-2.16	-1.377	-1.377
10000	-2.47	-2.88	-1.54	-1.81	-3.15	1.794	3.825	-1.288	-1.601	-1.375

D45

AMBIENT TEMP. 32.80
WET-BULB TEMP. 30.80
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.912

FAA FAN/COMPRESSOR - PHASE 9B + 9C IGVS 9 DEG OPEN T/D 2/17/78

RUN#13 R00#147 SPEED#7500

DATE: 3/24/72

PAGE: 1

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET										OAPHL		
	7.7	12.0	20.0	30.2	40.0	50.0	60.0	70.0	80.0	90.0			
50	74.53	73.01	73.39	72.92	72.36	74.21	77.47	76.00	76.71	76.18	70.82	81.97	86.48
63	72.19	72.69	71.71	73.59	72.48	74.20	66.57	75.97	76.96	76.81	79.03	82.46	86.42
80	71.23	72.38	73.85	73.22	72.83	74.93	75.61	76.91	77.84	78.44	80.25	82.97	84.63
100	73.59	72.29	73.28	74.53	74.53	75.07	76.72	76.89	78.34	80.26	81.71	83.99	85.82
125	77.72	77.93	73.16	74.99	73.53	76.92	77.46	79.94	79.99	82.47	84.89	86.41	88.25
160	72.78	72.69	71.65	73.33	73.51	75.61	76.36	76.72	78.71	78.99	80.84	82.23	83.89
200	72.23	70.71	71.03	72.34	71.92	73.69	76.17	75.42	76.26	77.88	78.82	80.35	81.19
250	70.32	68.14	67.04	67.41	68.12	71.85	75.94	73.92	74.48	72.12	77.96	79.31	79.71
315	71.68	71.57	70.47	68.92	67.26	67.08	71.87	70.38	70.74	70.86	73.32	72.08	72.44
400	73.29	74.96	73.42	72.78	71.94	73.87	75.89	76.33	76.39	77.48	79.88	77.11	77.78
500	76.07	78.98	77.07	77.93	76.93	77.97	78.27	80.41	79.84	80.86	82.98	81.87	79.66
630	78.37	79.56	79.77	80.36	80.27	81.29	80.35	81.54	83.61	83.79	83.31	81.94	79.35
800	75.85	77.61	79.50	77.53	78.16	78.03	81.41	80.73	82.20	83.17	82.20	80.83	78.76
1000	76.88	79.28	79.67	78.32	79.06	78.71	78.23	78.74	78.88	78.46	80.28	77.74	77.83
1250	81.48	83.92	82.89	84.48	86.17	85.41	85.77	82.59	85.37	84.66	86.08	84.82	77.82
1600	78.25	80.13	81.63	81.23	80.24	81.43	79.19	78.96	81.64	83.24	81.59	79.32	77.81
2000	78.27	79.30	81.93	81.34	80.18	80.67	78.44	79.75	81.83	83.88	81.71	73.74	74.06
2500	77.88	78.72	80.28	78.59	82.75	78.47	81.43	82.38	81.48	78.43	78.16	74.39	75.82
3150	82.42	82.11	78.31	83.13	83.13	84.44	85.27	86.77	87.51	88.03	88.58	78.88	79.87
4000	85.81	86.36	87.19	88.21	84.99	88.77	87.93	89.29	89.52	87.35	86.66	82.04	85.87
5000	88.14	91.54	91.59	94.51	98.81	94.11	89.23	96.39	92.42	94.17	91.48	89.09	88.93
6300	86.34	86.38	86.51	82.57	84.71	81.87	86.68	87.39	87.48	82.82	82.11	78.83	79.35
8000	84.73	88.09	78.43	81.16	88.14	80.52	82.45	83.93	83.08	82.10	82.38	77.80	77.29
10000	81.04	88.36	77.83	88.36	88.42	88.74	86.39	86.68	87.63	88.38	82.78	76.84	77.27
MEASURED OASPL	95.89	96.95	96.62	98.26	96.98	98.37	97.45	100.1	98.99	99.23	96.48	90.47	97.37
CALCULATED OASPL	94.42	98.08	98.48	97.10	95.39	97.21	96.52	99.23	97.98	98.12	97.19	94.88	98.81
PNDB	100.7	110.8	110.4	112.3	110.3	110.8	111.3	114.4	111.8	113.8	111.6	107.9	109.3

OAPHL 1 109.8

AMBIENT TEMP. 32.80
WET-BULB TEMP. 30.80
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.012

FAA FAN/COMPRESSOR - PHASE 5B - 5C 10VS 9 DEG OPEN T/D 2/17/72

RUN#13 RDG#140 SPEED#7300

DATE: 3/24/70

RADIAL DISTANCE 250

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET																	
	12.2	20.0	30.0	42.2	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0
50	-3.15	-3.06	-4.28	-4.75	-5.31	-3.47	-2.84	-1.59	-1.96	-1.49	1.143	4.299	5.803					
63	-7.79	-7.28	-6.39	-7.49	-5.78	-5.89	-4.01	-3.00	-1.97	-1.55	2.480	6.444						
80	-6.09	-5.24	-4.59	-4.02	-4.79	-2.69	-2.81	-1.61	-1.54	8210	3.820	5.349	7.014					
100	-5.08	-3.47	-5.49	-3.95	-4.24	-2.81	-2.00	-1.77	-1.34	1.491	2.930	5.219	6.745					
125	-3.55	-3.35	-6.11	-6.02	-5.75	-4.35	-3.86	-2.83	-1.28	4.280	3.324	4.342	6.982					
160	-4.73	-4.83	-5.86	-4.19	-3.90	-1.90	-1.15	-1.94	1.198	1.484	3.320	4.719	5.977					
200	-3.32	-5.05	-4.72	-3.23	-3.94	-2.06	-2.43	-3.31	3.894	1.332	3.971	4.795	2.442					
250	-3.37	-5.35	-6.63	-4.27	-3.57	-1.84	-2.251	-2.349	7.928	-1.57	4.277	5.623	2.019					
315	1.182	1.289	1.933	-2.56	-3.28	-2.60	1.289	-1.399	1.883	3.806	2.741	2.405	2.067					
400	1.302	1.622	1.179	-2.09	-2.26	-1.93	1.2951	1.474	1.455	1.833	4.301	1.500	1.009					
500	-2.17	-1.84	-1.17	-1.18	-2.21	-1.07	-1.763	1.969	7.999	1.822	3.944	2.828	2.18					
630	-2.59	-1.39	-1.32	-1.39	-1.82	3.900	-6.01	5.901	2.852	1.031	2.952	1.937	2.00					
800	-4.84	-2.28	-4.32	-2.37	-1.71	-1.06	1.318	8.378	2.393	3.273	2.351	1.356	1.180					
1000	-1.05	1.924	1.357	1.37	1.37	-1.82	1.739	2.145	3.545	1.130	1.771	1.964	1.148					
1250	-2.46	-1.22	-1.05	1.327	2.226	1.466	-1.77	-1.36	1.420	1.728	2.740	-0.13	-0.31					
1600	-2.23	-1.56	1.153	1.499	1.241	1.665	-1.28	-1.585	1.357	2.782	1.111	-1.16	-2.07					
2000	-1.78	-1.42	1.683	1.390	1.308	1.953	-1.39	-2.08	1.784	3.011	0.714	-0.30	-5.10					
2500	-1.80	-1.58	1.829	-1.14	1.839	-2.22	1.739	2.887	1.729	-1.26	-1.34	-5.41	-4.48					
3150	-1.16	-1.47	1.27	-1.48	1.978	1.882	1.684	3.198	3.324	3.359	-1.85	-4.78	-4.32					
4000	-1.92	-1.79	1.75	1.276	-1.94	1.839	1.915	2.557	2.980	4.133	-2.71	-8.89	-4.86					
5000	-4.86	-1.61	-6.03	2.309	-2.19	1.911	-2.97	4.109	3.247	1.909	-7.14	-6.58	-6.66					
6300	1.442	1.401	1.609	-2.33	-1.89	-1.84	1.741	2.409	2.409	1.116	-2.79	-6.86	-8.56					
8000	3.197	-1.37	-1.90	-1.69	-1.69	-1.81	1.9281	2.358	2.446	0.280	4.132	-4.44	-1.13					
10000	-1.65	-2.33	-3.86	-2.33	-2.27	-1.96	1.787	3.909	1.143	3.886	1.882	-5.86	-5.42					

D47

D47

AMBIENT TEMP 32.00
WET-BULB TEMP 30.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.912

FAA FAN/COMPRESSOR - PHASE 5B + 5C 10VS 9 DEG OPEN T/D 2/17/70

RUN=13 RDS=14R SPEED=7300

DATE: 3/24/72

RADIAL DISTANCE 252

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SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	7.2	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PH)
52	74.19	73.01	72.61	72.15	71.70	73.25	76.69	74.71	75.06	75.28	77.48	79.95	83.93	138.9					
63	72.88	72.66	72.59	72.47	72.16	73.08	76.83	74.54	75.09	77.83	79.38	80.72	83.93	138.1					
82	72.95	72.09	72.11	72.48	72.16	73.06	73.79	74.07	76.23	77.38	79.34	81.35	82.79	138.2					
100	73.38	72.96	73.89	74.45	73.65	75.79	75.57	76.79	77.55	79.25	80.62	82.47	83.92	138.7					
125	70.01	70.54	70.64	70.06	72.75	70.67	72.15	72.48	70.20	70.84	81.68	82.44	85.00	138.4					
160	73.48	73.28	70.89	72.72	73.19	75.24	75.39	75.39	77.59	78.13	78.22	80.80	82.00	138.0					
200	73.17	71.82	70.47	71.41	71.51	74.84	77.76	74.69	75.99	76.48	78.22	79.35	77.87	138.5					
250	71.53	68.82	66.15	67.92	68.86	71.32	71.43	71.97	73.16	73.61	75.02	75.33	74.21	138.3					
315	72.45	72.36	70.46	69.76	67.98	68.57	70.06	68.93	69.67	71.55	71.80	71.85	71.60	138.8					
400	74.71	74.08	74.19	73.89	71.71	72.81	73.09	71.84	74.19	73.27	78.16	74.38	71.97	138.9					
500	77.46	76.99	72.37	76.98	76.42	76.67	75.45	74.47	74.17	75.88	81.50	78.88	74.01	138.3					
630	78.44	80.28	78.49	78.78	79.13	79.20	78.77	79.35	81.79	82.98	82.09	80.35	77.88	138.9					
800	76.39	79.35	76.54	78.30	78.88	78.44	79.38	79.39	81.00	81.91	86.80	79.35	76.66	138.3					
1000	77.96	79.22	81.49	81.34	78.83	77.74	77.46	76.96	78.85	79.35	79.21	76.84	77.19	138.4					
1250	83.12	86.07	88.89	84.12	82.85	82.68	81.98	81.86	81.18	82.79	84.85	80.00	77.23	138.8					
1600	82.25	83.78	82.18	81.76	79.17	83.23	85.86	80.71	81.53	87.04	83.16	80.87	76.71	138.6					
2000	81.12	82.78	85.62	81.81	80.11	82.81	78.97	79.71	83.19	85.63	82.05	76.74	76.78	138.5					
2500	88.97	88.02	82.14	79.74	83.06	88.53	83.12	83.34	83.32	85.38	88.52	78.06	76.74	138.5					
3150	85.62	84.09	80.37	83.71	84.79	85.19	86.56	87.55	86.28	85.49	84.37	88.11	80.56	138.5					
4000	87.40	89.82	84.26	81.83	86.17	90.37	88.54	87.89	92.48	85.49	84.37	88.11	80.56	138.5					
5000	87.73	91.03	88.86	84.14	89.59	92.47	87.71	89.98	93.78	93.85	90.30	86.17	80.62	138.7					
6300	86.69	85.59	85.71	82.28	84.39	83.89	85.69	86.63	87.71	88.39	81.85	79.34	79.62	138.1					
8000	84.28	81.96	79.81	81.64	80.70	82.15	82.73	83.99	84.03	83.19	83.38	78.18	76.42	138.1					
10000	83.88	80.75	79.34	80.76	80.17	81.21	83.33	86.69	84.81	85.59	84.29	77.46	77.52	138.8					
MEASURED OASPL	97.46	96.20	95.97	98.79	96.36	98.23	97.17	97.41	100.00	99.24	98.26	98.00	90.86						
CALCULATED OASPL	95.55	96.15	97.67	97.01	98.04	98.51	98.14	96.52	99.80	98.81	96.95	94.14	94.99						
PNDB	189.7	111.1	138.9	112.8	180.7	111.7	118.3	110.7	113.5	112.7	111.3	107.9	106.9						

OASPL: 197.6

AMBIENT TEMP: 31.00
WET-BULB TEMP: 29.00
BAR. PRESSURE: 28.76
ABS. HUMIDITY: 3.741

FAA FAN/COMPRESSOR - PHASE 56 + 5C IGVS 9 DEG OPEN T/D 2/37/70

RUN#13 RUG#149 SPEED#7102

DATE: 3/24/72

RADIAL DISTANCE 259

PAGE 1 R

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET
2 15.2 24.2 30.2 40.2 50.7 60.8 70.0 87.2 90.0 100.2 110.7 120.0 130.0 142.5 150.2 160.0 170.0 (PWL)

FREQ	2	15.2	24.2	30.2	40.2	50.7	60.8	70.0	87.2	90.0	100.2	110.7	120.0	130.0	142.5	150.2	160.0	170.0
50	-1.90	-2.28	-3.48	-3.94	-4.39	-2.34	-5.22	-1.39	-4.34	-3.15	1.384	3.858	7.839					
63	-6.40	-6.62	-1.69	-3.21	-7.12	-5.67	7.543	-4.74	-3.79	-2.26	-7.81	1.436	4.049					
80	-4.26	-4.11	-1.12	-3.73	-4.35	-2.23	-2.41	-1.34	-3.28	1.090	3.137	4.939	6.979					
100	-3.76	-4.08	-4.55	-3.18	-3.98	-1.84	-2.06	-0.86	-1.88	1.609	2.978	4.833	6.279					
125	-1.43	-9.08	-8.14	-5.87	-3.69	-2.29	-2.12	-1.84	-1.15	1.412	2.289	3.281	6.273					
160	-3.07	-3.22	-5.61	-3.77	-3.31	-1.62	-1.11	-0.99	1.000	1.022	3.144	3.989	5.401					
200	-1.99	-3.34	-4.88	-3.76	-3.05	-1.12	2.998	-1.478	3.308	1.314	3.659	4.108	1.984					
250	-3.19	-3.83	-5.69	-3.93	-2.99	-1.53	1.937	1.184	1.253	2.064	3.778	3.377	2.355					
315	2.239	2.147	2.929	-4.52	-2.23	-1.84	1.451	-1.28	-5.44	1.943	1.683	1.324	1.394					
400	1.442	-1.94	-1.12	-3.78	-2.58	-1.78	1.777	-2.43	-0.99	3.081	3.888	2.844	-2.28					
500	-0.18	-4.88	-1.12	-3.98	-1.85	-1.83	-2.82	-1.96	-0.99	2.448	4.128	1.833	-2.28					
630	-1.46	3.743	-1.18	-1.18	-1.71	-1.78	-1.14	-3.54	1.088	2.075	2.986	6.611	-2.03					
800	-7.71	1.927	-2.91	-1.82	-1.87	-1.716	2.183	3.361	2.724	1.754	1.648	4.946	5.088					
1000	-1.596	6.583	2.932	2.786	1.2672	-0.18	-1.09	-1.60	1.2944	1.794	1.936	-1.72	-1.16					
1250	-3.67	3.183	4.814	4.547	-1.26	-1.89	-1.91	-3.42	1.635	3.311	2.568	-3.39	-6.26					
1600	3.748	1.424	3.889	1.19	-8.51	1.386	-1.82	-1.17	1.498	3.062	1.281	-1.81	-3.17					
2000	-4.79	1.176	2.217	2.253	-4.49	0.831	-2.63	-1.89	3.396	4.459	1.247	-4.86	-4.33					
2500	-3.08	-6.58	0.656	-1.53	2.381	-0.719	1.848	2.882	2.846	-0.71	-7.56	8.39	-4.53					
3150	0.838	-2.42	-4.36	-1.22	-1.34	2.682	1.628	2.616	4.349	-3.48	-3.68	-4.78	-4.38					
4000	-1.07	4.563	-4.36	2.464	-2.19	1.085	-0.29	-0.673	3.039	0.980	1.346	-0.49	-4.84					
5000	-2.94	3.584	-2.61	3.489	-0.74	1.799	-2.56	-0.692	3.032	2.313	-2.92	-0.49	-6.85					
6300	2.087	9.287	1.229	-2.59	-1.292	-1.50	1.887	1.948	3.828	1.715	-2.83	-8.34	-8.96					
8000	2.105	-1.05	-2.31	-1.82	-1.42	0.247	0.897	1.368	2.787	1.809	1.464	-4.82	-3.78					
10000	3.032	-1.97	-3.39	-1.96	-1.54	-1.50	0.6100	3.983	2.899	2.879	1.971	-5.25	-5.19					

D49

AMBIENT TEMP 31.80
WET-BULB TEMP 29.80
BAR PRESSURE 28.76
AHS HUMIDITY 3.741

FAA FAN/COMPRESSOR - PHASE 5B - 5C IQVS 9 DEG OPEN T/D 2/17/78

RU#13 RD#149 SPEED#7100

DATE: 5/23/70

RADIAL DISTANCE 250

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SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET									
	7.2	10.0	22.0	33.2	42.0	52.2	62.2	70.0	85.0	98.0
50	77.87	72.29	71.17	72.73	70.49	72.87	72.36	73.73	75.82	74.47
63	77.69	71.60	75.86	71.46	70.33	71.78	73.51	73.47	75.19	76.82
80	72.57	70.16	70.23	70.35	70.54	72.49	73.07	73.56	75.23	76.21
100	77.21	71.37	72.31	73.49	72.45	74.47	75.47	75.59	76.35	77.44
125	70.40	70.98	74.84	72.13	74.18	76.49	77.24	78.93	79.83	80.40
150	76.84	71.18	69.96	72.18	71.76	73.51	73.89	74.13	76.87	78.81
200	75.87	68.97	69.12	70.29	70.52	71.69	72.64	72.66	74.83	77.27
250	74.75	65.99	66.11	66.81	67.41	70.09	68.99	69.36	70.47	70.66
315	77.82	71.97	69.33	66.22	66.42	65.40	69.29	67.78	70.86	70.83
400	77.84	73.83	73.58	68.14	68.22	70.88	72.92	72.88	74.49	75.55
500	77.29	76.87	76.83	72.16	71.88	75.16	76.61	77.82	77.81	79.49
630	88.34	79.26	77.92	75.26	78.49	78.15	79.49	79.99	81.51	81.33
800	79.80	76.29	75.67	78.76	79.22	77.40	78.61	77.28	80.89	79.76
1000	81.50	81.33	81.84	77.83	77.18	76.13	78.45	76.58	79.17	78.86
1250	82.40	80.41	80.89	80.41	80.75	82.89	82.89	80.30	85.17	84.81
1500	83.89	82.98	83.16	83.13	82.06	82.84	88.61	79.75	85.55	84.33
2000	83.57	82.27	84.01	82.33	80.79	81.80	88.31	79.32	83.59	84.83
2500	85.19	81.17	83.29	81.15	84.16	79.98	83.61	83.11	83.38	88.48
3150	86.35	84.66	81.63	83.93	86.97	84.38	86.51	87.35	88.42	85.88
4000	89.29	78.09	83.92	83.18	92.05	94.51	94.24	91.33	93.94	98.13
5000	85.63	86.28	86.13	86.58	87.96	89.69	89.61	87.85	89.18	89.35
6300	85.94	82.58	85.10	81.59	83.98	82.83	85.98	86.77	87.19	89.33
8000	84.45	81.17	81.42	81.79	82.84	82.40	84.73	83.57	85.88	83.39
10000	85.87	78.24	79.41	79.21	88.84	79.32	83.33	81.59	80.88	82.88
MEASURED OASPL	99.14	96.96	93.98	97.46	97.04	98.25	98.63	97.16	97.19	94.26
CALCULATED OASPL	96.49	95.66	94.77	96.58	96.19	97.56	97.81	96.49	96.46	94.58
PNDB	111.2	118.8	100.9	118.8	111.8	111.1	113.3	111.7	111.6	106.5

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OASPL: 157.4

AMBIENT TEMP: 31.00
WET-BULB TEMP: 28.00
BAR. PRESSURE: 28.76
ABS. HUMIDITY: 5.741

FAA FAN/COMPRESSOR - PHASE 5B - 5C 18VS 9 DEG OPEN T/D 2/17/70

RUN:13 R06157 SPEED:6908

DATE: 3/23/72

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RADIAL DISTANCE 250

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ Hz	ANGLES FROM TALE															
	17.2	27.2	36.2	47.2	57.2	67.2	72.0	87.2	91.2	102.2	112.2	120.2	130.2	140.2	150.2	170.0 (PUL)
2754	-2.53	-3.95	-4.39	-4.03	-3.35	-2.76	-1.37	-1.37	-1.02	-1.02	-1.02	-1.02	-1.02	-1.02	-1.02	-1.02
2770	-3.81	-4.53	-5.06	-5.48	-3.71	-1.98	-1.98	-1.98	-1.18	-1.18	-1.18	-1.18	-1.18	-1.18	-1.18	-1.18
2786	-4.85	-4.77	-4.68	-4.47	-2.52	-1.93	-1.45	-1.45	-2.18	-2.18	-2.18	-2.18	-2.18	-2.18	-2.18	-2.18
2802	-5.15	-4.23	-3.95	-4.28	-2.87	-1.87	-1.35	-1.35	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94
2818	-4.26	-3.11	-1.24	-2.48	-1.79	-1.35	-1.45	-1.45	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49
2834	-4.27	-5.89	-4.07	-3.29	-1.74	-1.56	-1.12	-1.12	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22
2850	-4.38	-4.33	-3.73	-3.12	-1.73	-1.38	-1.09	-1.09	-1.38	-1.38	-1.38	-1.38	-1.38	-1.38	-1.38	-1.38
2866	-5.22	-5.27	-4.42	-3.82	-1.12	-2.23	-1.91	-1.91	-1.74	-1.74	-1.74	-1.74	-1.74	-1.74	-1.74	-1.74
2882	-2.172	-5.77	-3.58	-4.31	-1.97	-2.18	-2.18	-2.18	-2.33	-2.33	-2.33	-2.33	-2.33	-2.33	-2.33	-2.33
2898	-1.852	-3.965	-3.41	-4.03	-2.76	-0.89	-1.55	-1.55	-1.95	-1.95	-1.95	-1.95	-1.95	-1.95	-1.95	-1.95
2914	-3.765	-3.44	-2.36	-2.69	-1.34	-1.83	-1.53	-1.53	-1.38	-1.38	-1.38	-1.38	-1.38	-1.38	-1.38	-1.38
2930	-1.83	-1.83	-1.85	-1.47	-1.19	-1.54	-1.54	-1.54	-1.18	-1.18	-1.18	-1.18	-1.18	-1.18	-1.18	-1.18
2946	-2.28	-3.592	-3.82	-3.87	-1.87	-1.364	-1.364	-1.364	-1.723	-1.723	-1.723	-1.723	-1.723	-1.723	-1.723	-1.723
2962	-2.927	-2.634	-1.72	-1.23	-2.26	-0.78	-1.95	-1.95	-1.704	-1.704	-1.704	-1.704	-1.704	-1.704	-1.704	-1.704
2978	-3.625	-1.513	-6.75	-1.83	-1.69	-1.83	-1.83	-1.83	-1.387	-1.387	-1.387	-1.387	-1.387	-1.387	-1.387	-1.387
2994	-3.343	-3.34	-8.89	-1.59	-6.18	-1.41	-2.47	-2.47	-1.324	-1.324	-1.324	-1.324	-1.324	-1.324	-1.324	-1.324
3010	-5.426	-2.881	-6.83	-1.39	-6.32	-1.42	-1.91	-1.91	-1.717	-1.717	-1.717	-1.717	-1.717	-1.717	-1.717	-1.717
3026	-6.13	-1.495	-2.64	-2.374	-1.88	-1.22	-1.821	-1.821	-1.585	-1.585	-1.585	-1.585	-1.585	-1.585	-1.585	-1.585
3042	-2.72	-2.18	-1.23	-1.43	-1.396	-1.31	-1.472	-1.472	-1.344	-1.344	-1.344	-1.344	-1.344	-1.344	-1.344	-1.344
3058	-2.31	-1.926	-4.08	-1.553	-3.473	-2.385	-1.935	-1.935	-1.873	-1.873	-1.873	-1.873	-1.873	-1.873	-1.873	-1.873
3074	-1.53	-1.38	-1.53	-1.66	-2.04	-1.84	-1.84	-1.84	-1.319	-1.319	-1.319	-1.319	-1.319	-1.319	-1.319	-1.319
3090	-1.64	-1.72	-1.234	-2.68	-1.296	-2.25	-1.68	-1.68	-2.492	-2.492	-2.492	-2.492	-2.492	-2.492	-2.492	-2.492
3106	-1.767	-1.49	-1.24	-1.73	-1.741	-2.58	-2.863	-2.863	-1.846	-1.846	-1.846	-1.846	-1.846	-1.846	-1.846	-1.846
3122	-2.44	-1.48	-2.48	-1.849	-1.37	-2.442	-1.9867	-1.9867	-2.315	-2.315	-2.315	-2.315	-2.315	-2.315	-2.315	-2.315

AIRLEY TEMP, 31.22
 AIR-BULB TEMP, 29.22
 SAT. PRESSURE, 28.73
 ABS. HUMIDITY, 3.741

FAA FAN/COMPRESSOR - PHASE 9B + 5C 1GV5 9 DEG OPEN T/D 2/17/72

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2000157

Spec: 6920

DATE: 3/04/77

RADIAL DISTANCE 250

PAGE 1 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

PRESS	ANGLES FROM INLET									
	2.2	10.2	27.2	40.2	52.7	60.2	70.2	80.2	90.2	100.2
52	3.066	-2.41	-3.91	-3.39	-4.68	-2.09	-3.82	-1.72	-2.82	-3.28
63	1.733	-4.47	1.164	-3.03	-4.49	-2.43	-3.33	-1.08	-4.72	-3.28
81	1.871	-3.46	-3.86	-3.99	-4.42	-1.48	-3.58	-5.86	-6.94	-1.832
102	1.368	-5.65	-4.58	-1.1	-1.91	-1.97	-2.42	-6.73	-4.07	1.497
125	1.616	1.5973	-5.35	-2.59	-3.12	-1.37	-2.35	-1.89	-3.74	1.327
160	2.388	-4.77	-5.84	-3.96	-3.69	-1.34	-1.33	-0.92	1.139	1.542
202	2.781	-8.18	-3.89	-4.16	-3.83	-2.39	-1.11	-6.39	1.839	1.852
252	3.048	-7.24	-5.06	-6.01	-4.77	-2.32	-2.23	-7.21	1.7356	1.8666
315	3.248	2.211	1.3222	-2.73	-2.81	-2.38	-1.63	-8.31	-7.97	1.264
402	4.119	1.213	1.617	-1.25	-2.34	-1.725	-3.24	-1.14	-1.288	1.5858
500	2.139	1.888	1.773	-1.091	-1.49	-0.639	-1.36	-1.39	1.792	1.8882
630	1.085	1.227	1.935	0.697	-0.873	-1.03	-2.07	-4.22	1.475	1.488
800	1.391	1.349	1.88	0.261	-0.97	-2.08	-1.38	-1.98	2.614	2.669
1002	2.991	3.181	3.633	0.988	-2.03	-2.39	-1.38	-1.98	1.351	1.6476
1250	1.497	4.498	1.859	1.048	-1.72	-1.82	-1.79	-2.46	1.437	1.731
1502	-1.447	1.612	1.487	-1.249	-2.73	-3.94	-2.39	-2.27	1.888	4.388
2000	-1.66	2.936	2.384	1.339	-1.24	-0.772	-2.28	-1.91	1.493	3.185
2502	-1.877	1.887	2.181	-1.71	1.925	-2.19	1.388	2.684	1.043	1.264
3152	-1.288	1.327	-3.87	-1.784	0.618	-0.88	1.892	2.48	3.748	-2.35
4002	-1.67	1.781	-4.21	1.181	-2.99	2.888	2.311	-1.18	1.723	5.331
5000	-2.61	1.325	-3.45	1.237	-1.61	1.397	-0.81	1.358	1.819	4.974
6502	-1.79	-0.979	2.549	-3.29	-1.66	-1.89	1.4955	2.629	3.404	3.977
8000	-1.51	1.479	-1.48	-1.68	-0.88	-0.84	-0.47	1.945	1.296	3.358
10000	-1.838	-1.865	-1.44	-2.32	-1.67	-2.18	1.7519	1.7372	2.398	4.398

D53

AMBIENT TEMP. 31.00
 WET-BULB TEMP. 29.02
 BAR. PRESSURE 38.76
 ABS. HUMIDITY 3.741

FAA FAN/COMPRESSOR - PHASE SB + SC IGVS 9 DEG OPEN T/D 32A778

RUN#13 RUN#151

SPEED#6602

DATE: 3/20/72

PAGE: 2

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET									
	7.7	12.2	20.2	30.2	40.2	50.2	65.2	78.2	88.2	90.2
43	1958	23.15	-2.82	-4.69	-3.31	-3.73	-3.42	-3.56	1.81	-1.032
52	1820	-4.59	1.139	-4.54	-5.23	-4.16	-1.45	-927	4944	1.976
62	-1.24	-4.06	-4.87	-4.22	-4.56	-3.5	-1.89	1.64	1.362	2.861
100	-3.46	-4.39	-3.46	-2.87	-2.87	-2.19	-3.32	-7.7	1.126	2.593
125	1512	1.839	-5.34	-3.71	-3.62	-2.19	-2.16	-688	1.556	2.665
160	1784	-4.67	-5.06	-4.57	-3.66	-1.92	-1.22	-1.69	1.438	1.618
200	1.373	-5.93	-4.33	-4.93	-4.21	-2.77	-1.82	-814	1.778	1.574
250	2.728	-6.57	-5.33	-6.42	-5.17	-2.86	-1.42	1.472	1.995	1.065
315	5.146	1.555	1.384	-1.33	-2.49	-3.58	-1.87	-1.32	1.396	1.109
400	4.534	1.215	3.256	-1.55	-1.75	-1.91	-1.87	-1.77	1.328	1.298
500	3.176	1.458	1.843	-1.56	-1.37	-1.42	-1.66	-1.21	1.328	1.049
630	1.881	1.529	-1.15	1.866	-1.38	-1.81	-1.82	1.149	1.733	1.261
800	3.533	1.447	-2.57	-1.89	-1.88	-1.79	-1.73	1.648	1.909	1.824
1000	2.727	3.325	3.399	1.120	-1.69	-2.09	-1.57	-2.12	-2.11	1.9261
1250	2.253	4.522	5.656	1.885	-1.20	-1.46	-1.73	-2.35	1.959	1.907
1600	-1.116	1.620	1.708	1.337	-3.03	-3.37	-1.98	-2.41	1.827	1.921
2000	1.484	2.454	2.715	1.333	-1.89	-1.35	-2.44	-2.84	1.16	2.420
2500	1.533	1.750	2.172	-1.789	1.666	-1.79	1.836	1.835	1.749	1.534
3150	3.731	1.735	-3.43	-1.72	1.618	-1.39	1.894	2.783	1.888	1.882
4000	-2.17	-0.72	-3.74	1.330	-2.40	1.575	3.741	-1.44	2.804	1.870
5000	-2.18	-1.23	-3.81	1.889	-9.99	-4.73	3.710	5.119	1.868	4.781
6320	-1.39	-2.34	-3.20	-2.88	-6.33	-2.88	1.826	2.883	3.88	1.967
8000	-1.42	-1.35	-2.25	-1.38	-8.77	-1.87	1.877	2.599	1.427	3.127
10000	1.129	-0.21	-1.48	-1.87	-1.81	-1.34	1.784	1.223	2.459	3.144
										1.864
										-3.07
										-3.71

AMBIENT TEMP. 31.00
WET-BULB TEMP. 29.00
BAR. PRESSURE 28.78
A.S. HUMIDITY 3.741

FAA FAN/COMPRESSOR - PHASE DB - 3C 16VS 9 DEG OPEN T/D 2/17/70

RUN#15 R000152 SPEED000452

DATE: 3/24/77

RACIAL DISTANCE 250

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET									
	2.7	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0
50	71.84	71.46	69.78	68.65	68.78	69.12	70.46	72.28	73.39	73.19
63	72.92	60.41	74.01	68.76	67.66	69.02	71.05	71.41	73.23	73.86
82	72.39	68.15	67.37	68.36	67.46	69.33	70.13	70.78	72.54	73.12
107	72.65	69.38	69.00	71.49	71.57	73.38	72.02	72.87	74.24	76.56
129	72.74	75.95	68.02	69.69	69.62	71.12	71.32	72.35	73.50	74.42
160	71.54	68.27	69.98	68.45	68.32	70.49	70.02	71.98	73.28	73.20
200	71.58	66.35	67.73	68.99	67.85	70.49	70.12	70.39	71.18	71.78
252	68.41	61.58	62.39	68.41	68.54	64.44	64.84	66.24	65.21	65.71
315	71.83	67.87	69.97	69.91	64.46	63.68	65.13	64.48	66.17	68.26
402	74.31	71.16	71.11	68.03	68.23	68.79	67.08	67.48	68.38	69.67
500	70.44	70.88	70.94	70.94	72.39	73.28	72.84	72.35	73.31	73.98
632	70.23	70.85	70.43	70.49	70.85	70.48	70.32	70.28	71.13	72.28
802	70.86	70.38	70.58	70.24	70.21	70.31	70.78	70.18	71.11	70.12
1000	81.49	82.70	80.57	76.03	77.25	79.05	79.94	79.25	78.07	78.39
1250	81.04	86.53	82.48	82.24	79.75	80.95	78.25	78.79	81.46	83.24
1600	81.09	83.06	83.88	80.93	79.49	81.88	79.49	79.26	81.82	83.46
2000	81.81	83.17	83.82	81.93	79.93	81.80	78.74	79.38	83.59	83.75
2500	81.11	81.80	83.53	79.33	83.10	79.51	82.42	83.82	80.49	80.49
3150	81.53	84.01	80.59	82.71	84.33	83.19	84.75	83.94	87.50	81.48
4000	82.04	98.94	80.57	80.70	86.08	80.51	89.79	87.08	90.28	90.04
5000	88.92	82.85	82.17	83.16	88.78	80.94	81.87	83.79	87.48	84.38
6300	82.48	81.80	83.47	79.04	81.94	79.04	83.12	84.71	86.97	86.92
8000	81.99	82.89	88.01	89.28	88.27	88.43	81.82	88.37	88.36	88.89
10000	78.96	77.73	79.06	74.88	75.50	75.06	77.61	77.35	80.70	81.86

MEASURED OASPL
CALCULATED OASPL
PNDB

AMBIENT TEMP 31.00
WET-BULB TEMP 29.00
BAR. PRESSURE 20.76
ABS. HUMIDITY 3.741

FAA FAN/COMPRESSOR - PHASE 5B - 5C 10VS 9 DEG OPEN 1/0 2/17/79

RUN#13 RDO#193 SPEED#6280

PAGE: 1

RADIAL DISTANCE 250

DATE: 3/24/78

SOVC PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET									
	7.2	12.0	23.0	30.2	42.0	50.0	60.0	70.0	80.0	90.0
52	1.699	-1.41	-3.89	-3.32	-4.17	-2.75	-2.45	-1.92	7.224	3.230
53	-1.277	-4.30	2.612	-4.84	-8.10	-5.17	-1.63	-1.10	4.849	1.804
54	-1.435	-3.87	-4.43	-7.47	-4.37	-3.50	-1.60	-1.49	7.130	1.200
55	-1.19	-4.40	-4.24	-2.39	-2.27	-4.63	-1.82	-1.77	3.930	2.720
102	-1.395	2.814	-5.12	-3.40	-3.52	-2.82	-1.82	-1.87	2.495	1.222
125	-1.58	-3.42	-4.70	-3.30	-2.38	-2.1	-0.70	-1.70	1.920	1.504
140	-1.129	-4.27	-2.89	-3.00	-2.76	-1.38	-1.38	-1.38	3.742	1.101
202	2.633	-4.19	-5.39	-5.17	-5.24	-1.32	-1.32	-1.32	7.200	1.003
315	5.669	1.080	1.810	-2.84	-1.40	-1.98	-1.98	-1.98	2.152	-1.404
400	4.921	1.771	1.320	-1.99	-1.10	-0.90	-1.70	-2.21	-1.84	2.900
500	3.830	2.619	1.989	-1.37	-1.31	-1.38	-1.38	-1.38	-1.38	7.450
600	1.769	1.507	1.227	0.339	-1.41	-1.42	-1.46	-1.49	0.694	1.830
800	1.586	1.270	-1.10	1.504	-1.19	-1.19	-1.19	-1.19	1.612	2.877
1000	3.734	4.945	2.013	-0.84	-0.80	-0.71	-1.02	-2.31	-1.01	0.300
1250	2.595	4.816	1.070	1.072	-1.30	-1.30	-1.30	-1.30	1.104	2.200
1600	1.209	2.200	1.040	2.000	-0.97	-0.97	-0.97	-0.97	2.404	3.700
2000	0.382	2.202	2.146	0.000	-1.32	-0.74	-2.23	-1.89	-0.79	2.770
2500	0.040	1.004	2.100	-1.70	2.054	-1.50	1.15	1.007	1.400	-1.40
3100	2.480	0.207	-1.19	-1.31	0.003	0.003	0.003	0.003	1.700	0.40
4000	-1.41	1.600	-1.67	-1.34	2.00	1.000	0.300	1.63	1.941	0.32
5000	-1.37	-0.80	-1.26	-1.13	-1.54	-1.35	-1.22	-1.70	1.834	2.132
6300	-1.325	-0.72	0.000	-3.02	-1.22	-0.82	0.337	1.060	4.151	7.431
8000	1.600	0.433	-1.23	-0.82	-0.72	-0.13	-0.13	-0.13	2.310	0.44
10000	1.300	0.001	-1.70	-3.37	-0.13	-0.13	-0.13	-0.13	3.120	4.205

D57

AMBIENT TEMP. 31.00
WET-BULB TEMP. 29.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.741

FAA FAN/COMPRESSOR - PHASE 50 - SC IQVS 9 DEG OPEN T/D 2/17/78

RUN#13 R00#153 SPEED#6200

DATE: 3/24/78

PAGE: 2

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET									
	2.0	10.0	20.0	30.0	40.2	50.0	60.0	70.0	80.0	90.0
52	78.63	69.19	69.37	78.18	69.29	69.26	78.02	71.04	72.78	71.31
63	68.28	66.36	74.90	66.61	68.07	69.09	71.94	78.71	72.31	72.34
87	66.17	65.07	66.00	69.20	67.07	68.71	69.37	78.31	71.71	71.62
102	68.00	68.72	69.07	71.10	69.76	71.08	70.77	72.56	73.36	75.35
125	68.08	70.46	67.14	67.38	68.09	69.38	70.67	71.78	72.59	72.04
164	67.41	68.89	65.99	67.39	67.86	68.92	70.01	71.53	72.21	71.02
200	68.19	69.11	67.06	66.34	70.08	71.05	70.17	69.69	70.91	72.12
250	63.23	59.92	58.74	59.30	68.22	62.16	61.83	63.17	65.56	64.50
315	47.22	65.23	65.97	47.81	63.58	63.18	64.58	63.27	63.18	63.66
402	70.58	68.19	70.14	67.57	68.99	67.72	67.22	68.37	67.11	68.88
500	73.19	72.50	72.82	72.80	71.31	72.82	71.39	71.53	72.82	72.10
632	76.21	77.36	75.97	76.16	74.84	74.87	75.15	74.78	76.11	76.58
802	75.66	78.37	74.76	75.77	74.33	72.96	75.77	74.90	77.17	77.60
1022	78.42	78.86	80.67	77.87	73.82	73.72	73.78	72.39	74.46	73.58
1252	80.71	80.93	82.79	80.40	79.71	79.08	79.59	79.85	79.10	80.04
1602	88.42	82.02	83.29	81.26	78.00	80.19	79.07	79.01	81.71	82.84
2000	88.46	82.33	83.92	81.90	79.83	79.88	77.97	78.66	80.28	81.84
2500	79.44	85.13	82.78	79.33	82.84	78.17	81.38	78.49	81.82	81.33
3150	83.32	83.07	80.81	82.84	83.09	82.87	82.97	82.97	82.97	82.97
4000	86.79	86.00	83.96	89.84	85.64	87.84	89.41	89.74	93.06	88.37
5000	79.29	86.33	81.42	81.33	81.92	80.49	88.67	83.14	82.00	80.11
6300	80.87	81.24	82.72	79.29	82.91	79.59	82.77	84.49	84.51	84.33
8000	81.50	81.42	80.26	81.82	79.79	80.16	81.16	82.82	82.83	79.76
10000	77.83	77.88	78.88	79.81	79.46	79.13	78.78	77.79	78.87	80.20

MEASURED CASPL
CALCULATED CASPL

AMBIENT TEMP. 31.00
WET-BULB TEMP. 29.00
BAR. PRESSURE 28.78
ABS. HUMIDITY 3.941

FAA FAN/COMPRESSOR - PHASE 58 + 5C IQVS 8 DEG OPEN T/D 2/17/78

RUN#13 RUN#154 SPEED#0000

CAPHL1 190.4

190.4

190.4

190.4

190.4

190.4

190.4

190.4

190.4

190.4

190.4

190.4

190.4

190.4

190.4

DATE: 3/24/77

RADIAL DISTANCE 292

PAGE 1

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET																	
	7.2	10.0	20.0	30.0	40.0	50.0	60.0	72.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0
125	-1.24	-2.47	-2.29	-1.57	-2.36	-2.41	-1.03	-1.67	1.333	-3.59	3.356	2.775	7.126	7.126	6.849	6.395	5.596	4.683
150	-3.55	-5.45	3.997	-2.19	-3.74	-2.71	-1.86	-1.19	1.816	1.534	-1.003	2.891	6.395	6.395	6.049	5.202	4.112	3.203
175	-4.37	-4.07	-4.44	-1.25	-2.37	-1.83	-1.17	-2.28	1.163	1.081	2.008	3.998	6.849	6.849	6.483	5.596	4.683	3.203
200	-3.87	-4.15	-3.79	-1.47	-3.38	-1.79	-2.00	-3.35	1.665	2.071	2.854	4.112	4.683	4.683	4.337	3.534	2.728	1.819
225	-3.16	3.642	-4.07	-2.73	-3.32	-2.64	-1.35	-2.59	1.225	1.475	1.819	3.016	4.202	4.202	3.856	3.053	2.248	1.339
250	-2.35	-3.36	-4.46	-2.86	-2.59	-2.53	-1.42	-1.73	1.750	1.463	2.709	3.884	4.576	4.576	4.230	3.427	2.622	1.713
275	-2.21	-4.29	-2.75	-3.77	-4.05	-1.43	-2.31	-1.32	1.888	1.717	2.008	3.988	2.334	2.334	2.008	1.193	0.388	-0.521
300	-1.77	-4.75	-5.92	-5.27	-4.45	-2.82	-1.64	-1.01	1.916	1.163	3.449	5.189	5.596	5.596	5.250	4.447	3.642	2.733
325	2.091	1.222	-1.942	-1.22	-1.11	-1.66	-2.88	-1.95	1.861	1.571	1.448	1.785	3.203	3.203	2.857	2.054	1.249	0.340
350	3.347	1.646	2.057	1.367	-1.54	-1.44	-3.11	-1.17	1.428	1.534	1.827	1.428	1.743	1.743	1.397	0.594	-0.209	-1.110
375	1.524	1.627	1.375	1.379	-1.338	1.362	-2.56	-1.12	1.712	1.456	2.035	-1.59	-4.54	-4.54	-4.194	-3.391	-2.586	-1.677
400	1.917	2.063	1.022	1.649	-1.455	-1.45	-1.45	-1.12	1.472	1.280	1.910	-1.981	-8.10	-8.10	-7.750	-6.947	-6.144	-5.235
425	1.389	2.642	-1.964	1.842	-1.39	-2.77	-1.17	-1.73	1.745	1.481	1.730	-1.176	-1.14	-1.14	-0.790	-0.087	0.614	1.525
450	1.657	2.142	2.108	2.892	-1.94	-2.04	-2.61	-2.37	1.575	1.286	1.855	1.336	-1.65	-1.65	-1.300	-0.597	0.198	1.109
475	1.979	4.198	2.161	1.797	-1.02	-1.19	-1.86	-2.31	1.838	1.581	1.832	-1.02	-9.62	-9.62	-9.270	-8.467	-7.664	-6.755
500	1.575	1.485	2.388	1.307	-2.99	-1.81	-3.32	-2.88	1.788	1.030	2.771	-2.004	-8.35	-8.35	-7.999	-7.196	-6.393	-5.484
525	1.421	2.202	2.458	1.564	-2.25	-1.55	-2.06	-1.37	1.672	2.820	1.993	-4.83	-4.79	-4.79	-4.439	-3.636	-2.833	-1.924
550	1.989	1.222	2.424	1.182	2.406	-1.90	-1.827	2.335	1.444	1.12	1.33	-4.15	-8.44	-8.44	-8.090	-7.287	-6.484	-5.575
575	1.818	1.234	-3.732	1.486	1.977	-1.39	1.449	2.337	1.399	1.35	1.831	-3.18	-9.33	-9.33	-8.980	-8.177	-7.374	-6.465
600	-1.86	-1.343	-2.109	1.921	-3.81	-1.82	1.764	1.992	1.812	1.376	1.744	-3.93	-9.81	-9.81	-9.460	-8.657	-7.854	-6.945
625	-2.52	-1.28	-1.191	-1.281	1.385	-1.18	1.939	1.528	1.874	1.495	1.728	-4.24	-8.86	-8.86	-8.510	-7.707	-6.904	-5.995
650	-1.98	-1.59	1.082	-2.54	1.078	-2.19	1.937	2.601	2.081	2.334	1.728	-5.89	-8.74	-8.74	-8.390	-7.587	-6.784	-5.875
675	1.844	1.673	-1.353	1.487	-1.38	-1.35	1.828	1.784	2.016	1.88	2.886	-1.11	-3.33	-3.33	-2.980	-2.177	-1.374	-0.465
700	1.142	1.393	-1.332	-1.08	-1.23	-1.35	1.985	1.899	2.178	1.565	1.885	-3.71	-3.78	-3.78	-3.420	-2.617	-1.814	-0.905

D59

D59

AMBIENT TEMP 31.00
WET-BULB TEMP 29.02
BAR PRESSURE 29.75
AIR HUMIDITY 5.741

FAN FA/COMPRESSOR - PHASE 5B + 5C 19VS 9 DEG OPEN T/D 2/17/78

RUN=13 PDG=154 SPEED=6888

DATE: 3/03/70

PAGE: 1

RADIAL DISTANCE 200

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ	7.0	10.2	22.2	32.0	40.0	50.0	60.0	70.0	80.0	100.0	130.0	160.0	180.0	200.0
50	70.33	68.93	58.73	59.43	59.36	59.92	59.87	71.00	71.28	70.80	71.37	73.23	77.13	120.13
63	66.30	66.81	74.67	60.85	60.19	69.81	71.97	69.92	71.88	70.84	71.99	73.28	76.04	120.10
80	65.95	65.76	65.67	48.17	67.99	68.63	69.16	69.77	70.56	70.32	71.70	72.66	75.03	120.00
100	67.67	69.16	67.71	69.56	69.29	70.26	70.27	71.96	73.34	74.38	75.32	74.87	78.76	120.00
125	67.58	75.24	65.00	67.78	67.71	68.58	68.58	69.36	70.29	71.49	72.51	73.56	75.45	120.00
160	66.88	65.92	68.47	66.95	67.42	68.67	68.44	69.71	71.27	72.48	73.58	74.66	76.36	120.00
200	69.82	65.66	67.25	66.49	67.98	71.69	71.12	70.93	69.68	71.82	72.73	73.92	75.29	120.00
250	65.21	61.59	68.34	61.92	62.15	62.74	64.29	65.12	65.78	68.23	68.99	68.00	68.03	120.00
315	67.81	64.82	65.74	65.80	63.25	61.40	64.56	62.75	65.84	63.22	64.10	63.84	65.30	120.00
400	70.48	67.32	68.48	66.00	64.54	65.87	65.89	66.15	67.27	66.19	67.38	68.29	69.48	120.00
500	72.93	72.93	72.61	70.85	69.93	70.88	70.18	70.34	70.80	70.80	73.38	73.37	75.23	120.00
630	70.26	76.04	75.15	74.98	73.00	74.11	73.78	73.34	74.90	75.88	76.16	73.37	75.23	120.00
800	72.74	76.22	74.32	74.84	74.23	72.88	73.24	74.32	75.94	76.59	77.18	74.28	76.33	120.00
1000	72.96	77.88	79.10	76.80	73.71	72.68	73.71	73.19	75.48	76.44	76.58	74.37	76.70	120.00
1250	82.12	83.94	82.54	80.38	78.32	77.86	78.83	77.47	79.82	80.77	81.37	78.64	79.26	120.00
1600	79.39	80.41	82.11	80.07	79.16	77.75	77.67	80.56	80.98	80.88	80.98	79.09	79.87	120.00
2000	88.83	81.24	87.33	79.91	77.98	76.88	76.93	77.33	78.88	78.39	79.19	74.71	75.83	120.00
2500	78.16	78.00	81.63	77.99	80.95	79.67	80.48	81.38	80.74	77.40	78.23	73.14	73.24	120.00
3150	84.31	83.20	88.04	82.71	83.08	82.30	83.78	83.89	83.99	82.10	82.73	79.17	79.82	120.00
4000	87.48	86.82	87.88	87.41	85.08	86.76	86.74	89.46	89.84	87.62	89.12	84.54	85.30	120.00
5000	77.42	79.69	81.12	79.68	79.41	79.19	79.87	81.11	81.99	82.93	82.78	74.37	74.38	120.00
6300	81.00	79.69	82.80	78.82	79.74	77.91	81.89	81.07	83.40	81.92	88.48	75.63	74.96	120.00
8000	85.36	81.19	88.88	83.19	78.31	78.87	78.78	79.78	83.72	83.71	83.71	77.37	74.85	120.00
10000	78.58	76.68	77.69	75.80	75.91	74.87	76.19	77.36	77.92	76.12	77.82	72.45	72.37	120.00

MEASURED CASPL
CALCULATED DBPL
PNDB

000000 1000.0

AMBIENT TEMP: 31.00
WET-BULB TEMP: 29.00
BAR, PRESSURE 28.76
ABS, HUMIDITY 5.941

FAA FAN/COMPRESS. R - PHASE 50 - 4C 10US 9 DEG OPEN T/D 2/17/70

RUN#13 RDB#57

SPEED#5792

000000 1000.0

DATE: 3/23/70

PAGE: 2

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

	2.2	10.0	20.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PHL)
1. REF.																		
50	-4.20	-1.84	-2.31	-1.33	-1.40	-0.83	-0.89	-1.34	-1.31	-1.73	-1.86	-2.37	-2.88	-3.39	-3.90	-4.41	-4.92	
53	-2.66	-4.95	-1.70	-2.12	-2.78	-1.90	-1.60	-1.34	-1.10	-1.10	-1.10	-1.10	-1.10	-1.10	-1.10	-1.10	-1.10	
56	-3.64	-3.84	-3.93	-1.42	-1.61	-1.30	-1.30	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	
100	-4.13	-2.64	-3.08	-2.24	-2.50	-1.54	-1.55	-1.40	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	
125	-3.27	-4.78	-3.57	-2.86	-2.95	-2.06	-1.15	-1.22	-1.64	-1.64	-1.64	-1.64	-1.64	-1.64	-1.64	-1.64	-1.64	
150	-2.65	-3.62	-4.07	-2.59	-2.11	-1.06	-0.90	-1.32	-1.72	-1.72	-1.72	-1.72	-1.72	-1.72	-1.72	-1.72	-1.72	
200	-1.67	-4.15	-2.45	-3.21	-1.73	-1.81	-1.30	-1.43	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	
250	-1.38	-3.18	-1.43	-3.25	-2.62	-2.05	-1.48	-1.58	-1.81	-1.81	-1.81	-1.81	-1.81	-1.81	-1.81	-1.81	-1.81	
300	-1.87	-3.98	-1.76	-1.14	-1.68	-2.45	-1.64	-1.19	-1.10	-1.10	-1.10	-1.10	-1.10	-1.10	-1.10	-1.10	-1.10	
350	-4.21	-1.29	-2.18	-1.89	-1.73	-1.09	-1.30	-1.16	-1.23	-1.23	-1.23	-1.23	-1.23	-1.23	-1.23	-1.23	-1.23	
400	-2.45	-2.85	-1.38	-1.85	-1.44	-1.91	-1.28	-1.27	-1.29	-1.29	-1.29	-1.29	-1.29	-1.29	-1.29	-1.29	-1.29	
450	-2.83	-1.80	-1.24	-2.80	-1.24	-1.17	-1.43	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	
500	-1.82	-1.37	-1.18	-1.78	-1.12	-1.96	-1.97	-1.14	-1.10	-1.10	-1.10	-1.10	-1.10	-1.10	-1.10	-1.10	-1.10	
550	-2.64	-2.59	-3.69	-1.72	-1.60	-2.69	-1.60	-2.13	-1.58	-1.58	-1.58	-1.58	-1.58	-1.58	-1.58	-1.58	-1.58	
600	-2.33	-4.16	-3.65	-1.28	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	
650	-2.31	-1.80	-2.49	-1.46	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	
700	-1.15	-2.58	-1.61	-1.23	-1.37	-1.37	-1.37	-1.37	-1.37	-1.37	-1.37	-1.37	-1.37	-1.37	-1.37	-1.37	-1.37	
750	-1.25	-1.42	-2.69	-1.44	-1.16	-1.36	-1.36	-1.36	-1.36	-1.36	-1.36	-1.36	-1.36	-1.36	-1.36	-1.36	-1.36	
800	-1.87	-1.33	-1.59	-1.22	-1.44	-1.44	-1.44	-1.44	-1.44	-1.44	-1.44	-1.44	-1.44	-1.44	-1.44	-1.44	-1.44	
850	-3.08	-1.33	-1.09	-1.01	-1.44	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	
900	-1.14	-1.65	-1.63	-1.93	-1.15	-1.37	-1.37	-1.37	-1.37	-1.37	-1.37	-1.37	-1.37	-1.37	-1.37	-1.37	-1.37	
950	-1.75	-1.02	-2.50	-2.31	-1.89	-2.42	-1.89	-1.89	-1.89	-1.89	-1.89	-1.89	-1.89	-1.89	-1.89	-1.89	-1.89	
1000	-2.16	-1.93	-1.86	-2.56	-1.69	-1.32	-1.32	-1.32	-1.32	-1.32	-1.32	-1.32	-1.32	-1.32	-1.32	-1.32	-1.32	
1000	-2.38	-1.94	-1.61	-1.25	-1.21	-1.05	-1.05	-1.05	-1.05	-1.05	-1.05	-1.05	-1.05	-1.05	-1.05	-1.05	-1.05	

D61

AMBIENT TEMP 31.00
WET-BULB TEMP 29.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.741

FAA FAN COMPRESSOR - PHASE 5B - 5C 10VS 9 DEG OPEN T/D 2/17/70

RUN#13 RDG#155 SPEED#5750

DATE: 3/03/70

RADIAL DISTANCE 850

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ	ANGLES FROM INLET										
	0.2	1.7.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
50	89.84	89.37	78.97	67.68	67.02	69.61	69.69	70.38	70.34	68.26	69.08
63	68.23	66.34	75.12	60.49	60.45	68.66	71.42	68.38	70.38	70.09	72.37
82	65.54	63.31	67.11	67.56	65.69	67.73	68.05	69.86	69.56	69.32	70.95
100	67.10	67.10	66.20	69.09	66.91	69.89	69.38	71.87	71.46	71.12	73.31
125	67.83	73.24	65.66	68.93	66.44	67.79	68.08	68.84	67.35	70.16	71.78
160	67.07	64.74	68.28	68.94	66.82	67.05	68.46	68.49	69.48	70.32	70.99
200	68.44	63.91	67.82	68.61	66.35	68.41	68.18	67.88	68.44	70.02	71.37
250	66.04	60.22	68.51	68.02	61.18	62.26	63.83	63.08	64.34	63.22	66.11
315	68.28	63.78	65.74	67.74	63.59	61.40	62.28	62.87	64.64	63.48	67.41
400	68.41	60.55	64.58	68.41	63.60	65.97	65.99	64.33	65.50	66.37	66.43
500	73.89	71.39	68.98	70.28	69.32	69.93	69.16	69.83	69.86	70.13	71.71
630	74.92	75.00	72.98	73.43	72.98	73.12	72.50	72.25	74.15	74.03	75.07
800	74.61	77.78	72.21	73.61	72.67	71.83	72.82	72.95	75.15	74.44	76.31
1000	76.52	77.72	70.22	70.39	74.12	72.43	73.01	72.29	74.84	76.00	76.18
1250	80.36	83.29	77.63	80.32	77.69	78.06	77.57	76.17	80.38	83.21	79.91
1600	79.06	81.21	68.37	70.59	70.76	70.21	77.05	76.85	79.00	82.07	81.07
2000	77.33	80.23	68.17	70.88	70.16	77.82	75.71	75.91	78.12	79.94	79.39
2500	77.37	78.87	70.07	70.75	70.35	76.82	75.05	79.33	79.88	78.93	77.80
3150	80.09	85.93	70.74	80.34	81.29	82.03	83.78	83.25	87.27	85.16	85.82
4000	82.99	84.64	77.01	82.59	80.74	82.08	83.13	81.77	86.59	83.32	85.19
5000	77.63	79.88	77.98	77.95	77.34	77.91	78.50	79.59	80.00	81.18	81.34
6300	80.50	80.39	80.42	80.61	77.85	78.63	81.68	80.73	84.43	83.47	80.16
8000	76.68	78.45	76.95	77.88	75.19	75.74	78.05	75.59	81.34	77.55	80.58
10000	70.88	76.86	74.57	74.15	74.60	73.07	75.48	74.02	77.61	77.55	76.12
MEASURED CASPL	92.28	93.00	90.99	90.18	90.59	91.03	91.79	91.39	94.72	93.10	93.49
CALCULATED CASPL	90.99	92.40	89.87	89.58	89.54	89.97	90.75	90.37	93.01	91.97	92.43
PND8	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

QAPHL 1 131.0

AMBIENT TEMP 31.00
WET-BULB TEMP 20.00
BAR PRESSURE 20.76
ABS HUMIDITY 3.941

FAX FAN/COMPRESSOR - PHASE 98 - 3C 10VS 9 DEG OPEN T/D 2/1/70

RUN=13 RDS=150 SPEED=5500

DATE: 3/03/72

PAGE: 2

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLE FROM INLET															
	7.0	12.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0
50	-0.51	-1.92	1.92	-0.31	-2.50	-1.87	-0.79	-1.88	-0.49	-2.23	-0.12	1.87	7.11			
63	-2.35	-4.21	1.80	-2.07	-4.11	-1.80	-0.67	-1.71	-0.76	-1.19	-1.17	1.88	5.96			
80	-3.44	-3.68	1.88	-1.43	-3.29	-1.25	-0.93	-0.32	-0.67	-0.31	1.00	3.10	6.49			
100	-3.22	-3.19	1.10	-1.29	-3.47	-1.49	-0.96	-0.00	1.87	0.74	2.02	3.21	5.47			
125	-1.74	-5.89	1.88	-2.70	-3.31	-1.93	-1.14	-0.83	-1.93	0.13	1.17	2.06	4.68			
160	-4.38	-3.71	1.88	-2.91	-2.42	-1.92	-0.66	-0.66	-1.38	0.30	2.51	2.88	4.19			
200	-1.89	-4.42	1.31	-3.72	-1.98	-0.87	-1.38	-0.46	-1.38	0.30	2.51	2.88	4.19			
250	-2.42	-3.39	1.10	-4.79	-2.43	-1.35	-0.71	-0.71	-1.35	0.30	2.51	2.88	4.19			
315	-4.38	-3.71	1.88	-2.91	-2.42	-1.92	-0.66	-0.66	-1.38	0.30	2.51	2.88	4.19			
400	-3.37	-5.89	1.88	-2.70	-3.31	-1.93	-1.14	-0.83	-1.93	0.13	1.17	2.06	4.68			
500	-2.85	-1.70	1.88	-2.70	-3.31	-1.93	-1.14	-0.83	-1.93	0.13	1.17	2.06	4.68			
630	-1.67	-2.43	1.88	-2.70	-3.31	-1.93	-1.14	-0.83	-1.93	0.13	1.17	2.06	4.68			
800	-0.77	-3.74	1.88	-2.70	-3.31	-1.93	-1.14	-0.83	-1.93	0.13	1.17	2.06	4.68			
1000	-1.57	-2.43	1.88	-2.70	-3.31	-1.93	-1.14	-0.83	-1.93	0.13	1.17	2.06	4.68			
1250	-1.52	-4.39	1.88	-2.70	-3.31	-1.93	-1.14	-0.83	-1.93	0.13	1.17	2.06	4.68			
1600	-0.88	-2.40	1.88	-2.70	-3.31	-1.93	-1.14	-0.83	-1.93	0.13	1.17	2.06	4.68			
2000	-0.52	-2.73	1.88	-2.70	-3.31	-1.93	-1.14	-0.83	-1.93	0.13	1.17	2.06	4.68			
2500	-0.26	-4.34	1.88	-2.70	-3.31	-1.93	-1.14	-0.83	-1.93	0.13	1.17	2.06	4.68			
3150	-1.58	-1.58	1.88	-2.70	-3.31	-1.93	-1.14	-0.83	-1.93	0.13	1.17	2.06	4.68			
4000	-1.85	-1.76	1.88	-2.70	-3.31	-1.93	-1.14	-0.83	-1.93	0.13	1.17	2.06	4.68			
5000	-1.55	-1.29	1.88	-2.70	-3.31	-1.93	-1.14	-0.83	-1.93	0.13	1.17	2.06	4.68			
6300	-1.63	-2.82	1.88	-2.70	-3.31	-1.93	-1.14	-0.83	-1.93	0.13	1.17	2.06	4.68			
8000	-1.86	-1.83	1.88	-2.70	-3.31	-1.93	-1.14	-0.83	-1.93	0.13	1.17	2.06	4.68			
10000	-1.87	-1.84	1.88	-2.70	-3.31	-1.93	-1.14	-0.83	-1.93	0.13	1.17	2.06	4.68			

D63

AMBIENT TEMP. 31.00
WET-BULB TEMP. 29.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.741

FAA FAN/COMPRESSOR - PHASE 9B - 9C 10VS 9 DEG OPEN T/D 2/17/70

RUN#13 R0G#156 SPEED#5500

DATE: 3/23/72

PAGE: 1

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET									
	2.0	10.0	20.0	30.0	40.0	5.0	60.0	70.0	80.0	90.0
50	71.14	69.16	69.14	70.92	70.13	72.07	71.13	71.72	70.35	70.22
63	70.89	69.93	74.99	68.45	71.06	72.70	70.47	70.04	71.32	70.39
80	68.22	65.03	65.03	68.12	67.96	70.74	69.26	70.01	68.30	69.20
100	67.99	68.84	65.07	67.28	67.78	70.31	69.63	68.07	68.64	69.73
125	67.99	73.26	64.86	67.43	66.91	69.06	68.37	68.34	67.91	68.38
160	67.07	64.74	64.88	66.63	66.36	67.92	68.39	68.48	68.72	68.04
200	66.79	63.25	66.92	67.77	64.35	65.73	67.84	68.14	68.43	68.89
250	63.70	68.78	60.91	60.67	61.32	62.97	63.95	63.00	63.46	61.94
315	60.68	64.22	64.07	62.07	63.14	61.49	63.04	61.46	63.99	63.59
400	60.64	69.09	60.69	65.37	63.59	64.41	64.08	63.04	62.97	62.04
500	70.42	70.38	66.09	60.36	67.54	67.43	67.41	60.96	67.00	68.08
630	73.67	74.19	71.09	72.73	74.77	70.76	71.09	71.81	72.91	72.38
800	71.06	73.84	70.39	71.31	71.61	70.38	70.36	71.06	70.28	71.93
1000	77.71	70.68	77.03	75.25	72.50	71.30	72.37	70.08	75.19	74.99
1250	70.33	61.99	77.08	70.91	70.20	70.91	73.51	70.13	70.83	70.72
1600	77.60	70.20	70.71	75.13	72.08	70.08	70.04	70.40	72.87	70.94
2000	77.92	77.81	76.51	75.81	73.89	74.39	73.91	73.33	70.15	77.06
2500	77.11	70.27	70.04	74.53	70.97	72.91	77.48	72.64	70.98	74.91
3150	84.48	83.85	70.37	82.25	82.77	81.08	84.33	80.11	87.50	80.94
4000	80.30	80.50	73.64	70.07	74.31	70.99	70.34	77.97	81.23	70.30
5000	76.44	77.89	73.23	76.30	74.61	74.40	75.67	70.91	77.07	81.39
6300	79.57	70.17	70.02	70.00	74.92	70.71	70.93	81.14	81.48	82.19
8000	75.49	75.42	72.35	74.73	74.48	72.58	73.09	74.78	73.31	73.30
10000	75.18	73.61	71.07	74.47	72.73	73.16	75.23	74.58	74.38	75.97

MEASURED OASPL	91.02	91.94	89.18	98.84	89.65	80.87	90.26	90.25	92.05	90.09
CALCULATED OASPL	98.01	90.32	87.97	80.74	87.54	87.30	87.33	87.25	91.04	89.39
PND8	100.1	104.8	101.4	103.3	102.9	102.2	104.0	104.3	106.7	103.5

OASPL 149.6

AMBIENT TEMP. 31.90
WET-BULB TEMP. 29.80
BAR. PRESSURE 29.74
ABS. HUMIDITY 3.741

F/A FAN/COMPRESSOR - PHASE 50 - 5C 100S 9 DEG OPEN Y/D 2/17/70

RUN-13 R06-157 SPEED-4000

DATE: 3/03/70

RADIAL DISTANCE 250

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET									
	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0
50	1676	-1.61	-1.74	-1.83	-1.93	-2.03	-2.13	-2.23	-2.33	-2.43
63	1762	-4.9	-4.14	-3.31	-2.48	-1.65	-0.82	-0.01	0.82	1.65
80	1878	-3.77	-2.95	-2.14	-1.36	-0.59	0.19	0.97	1.74	2.51
100	1962	-2.61	-1.80	-1.01	-0.24	0.51	1.28	2.05	2.82	3.59
125	1943	6.335	-3.45	-2.46	-1.52	-0.62	0.28	1.18	2.08	2.98
160	1897	-3.19	-2.35	-1.52	-0.70	-0.06	0.69	1.48	2.27	3.06
200	1771	-2.87	-2.03	-1.20	-0.39	0.41	1.20	2.00	2.79	3.58
250	1601	-2.29	-1.46	-0.64	0.17	0.96	1.75	2.54	3.33	4.12
315	1407	1.31	1.49	1.67	1.85	2.03	2.21	2.39	2.57	2.75
400	1012	1.67	2.84	3.41	3.98	4.55	5.12	5.69	6.26	6.83
500	2789	2.755	1.406	0.536	-0.087	-0.713	-1.339	-1.965	-2.591	-3.217
630	1416	2.543	-1.503	-1.070	-0.637	-0.204	0.229	0.654	1.079	1.504
800	309	1.513	-1.30	-0.816	-0.331	0.154	0.637	1.120	1.603	2.086
1000	3362	2.257	3.504	4.034	4.564	5.094	5.624	6.154	6.684	7.214
1250	2134	4.793	4.193	3.593	2.993	2.393	1.793	1.193	0.593	-0.007
1600	1967	2.955	1.794	0.988	0.281	-0.425	-1.139	-1.853	-2.567	-3.281
2000	1726	2.639	1.713	0.913	0.213	-0.487	-1.191	-1.895	-2.599	-3.303
2500	1634	0.000	1.150	1.15	0.94	0.73	0.52	0.31	0.10	-0.11
3150	1488	0.11	0.73	0.31	-0.11	-0.53	-0.95	-1.37	-1.79	-2.21
4000	2220	2.425	1.71	0.91	0.11	-0.69	-1.39	-2.09	-2.79	-3.49
5000	1136	0.597	-1.16	-1.42	-1.68	-1.94	-2.20	-2.46	-2.72	-2.98
6300	0427	-1.564	-2.874	-3.74	-4.61	-5.48	-6.35	-7.22	-8.09	-8.96
8000	1791	1.863	-1.31	-1.01	-0.71	-0.41	-0.11	0.19	0.49	0.79
10000	1646	0.781	-1.00	-0.314	0.384	1.074	1.764	2.454	3.144	3.834

D65

AMBIENT TEMP, 31.80
WET-BULB TEMP, 29.80
BAR. PRESSURE 29.76
ABS. HUMIDITY 3.741

FAA FAN/COMPRESSOR - PHASE 58 - 5C IQVS 9 DEG OPEN T/D 2/17/70

RUN#13 RQ#157 SPEED#4999

RADIAL DISTANCE 150

DATE: 2/25/77

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ	ANGLES FROM INLET										PWL
	2.2	12.4	24.2	36.4	47.2	57.2	62.0	70.0	82.2	90.0	
20	67.49	60.17	60.48	60.04	60.31	60.31	60.31	60.31	60.31	60.31	181.3
30	66.49	60.33	60.33	60.32	60.33	60.34	60.34	60.34	60.34	60.34	181.3
40	66.71	60.77	60.77	60.77	60.77	60.77	60.77	60.77	60.77	60.77	181.3
50	67.82	65.65	65.65	65.65	65.65	65.65	65.65	65.65	65.65	65.65	181.3
60	65.44	65.88	65.88	65.88	65.88	65.88	65.88	65.88	65.88	65.88	181.3
70	65.44	64.68	64.68	64.68	64.68	64.68	64.68	64.68	64.68	64.68	181.3
80	64.26	62.81	62.81	62.81	62.81	62.81	62.81	62.81	62.81	62.81	181.3
90	63.96	62.99	62.99	62.99	62.99	62.99	62.99	62.99	62.99	62.99	181.3
100	63.87	62.91	62.91	62.91	62.91	62.91	62.91	62.91	62.91	62.91	181.3
110	62.82	62.59	62.59	62.59	62.59	62.59	62.59	62.59	62.59	62.59	181.3
120	62.12	61.84	61.84	61.84	61.84	61.84	61.84	61.84	61.84	61.84	181.3
130	71.14	71.15	71.15	71.15	71.15	71.15	71.15	71.15	71.15	71.15	181.3
140	75.21	75.10	75.10	75.10	75.10	75.10	75.10	75.10	75.10	75.10	181.3
150	81.77	79.80	79.80	79.80	79.80	79.80	79.80	79.80	79.80	79.80	181.3
160	83.23	81.93	81.93	81.93	81.93	81.93	81.93	81.93	81.93	81.93	181.3
170	82.91	81.32	81.32	81.32	81.32	81.32	81.32	81.32	81.32	81.32	181.3
180	82.99	81.31	81.31	81.31	81.31	81.31	81.31	81.31	81.31	81.31	181.3
190	81.41	80.36	80.36	80.36	80.36	80.36	80.36	80.36	80.36	80.36	181.3
200	85.34	83.31	83.31	83.31	83.31	83.31	83.31	83.31	83.31	83.31	181.3
210	84.74	83.49	83.49	83.49	83.49	83.49	83.49	83.49	83.49	83.49	181.3
220	82.83	84.11	84.11	84.11	84.11	84.11	84.11	84.11	84.11	84.11	181.3
230	84.02	83.82	83.82	83.82	83.82	83.82	83.82	83.82	83.82	83.82	181.3
240	82.63	84.79	84.79	84.79	84.79	84.79	84.79	84.79	84.79	84.79	181.3
250	86.65	95.26	95.26	95.26	95.26	95.26	95.26	95.26	95.26	95.26	181.3
260	93.83	93.56	93.56	93.56	93.56	93.56	93.56	93.56	93.56	93.56	181.3
270	105.7	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	107.3	181.3

D56

MEASURED CASPL
CALCULATED CASPL
PNDB

CAPML1 147.5

AMBIENT TEMP 32.00
ST-BURN TEMP 38.02
FAN PRESSURE 28.76
AIR HUMIDITY 3.912

FAA "A" /COMPRESSOR = PHASE 50 + 50 10V2 9 DEG OPEN T/D 2017/74

REV 1.0 5034126 SPEED=2222

RADIAL DISTANCE 150

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2/22/77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

		ANGLE FROM INLET									
		2.2	12.2	20.0	30.0	40.7	52.0	60.2	70.2	80.2	90.0
FREQ	Hz	-1.85	1.394	4.599	8.250	1.792	2.643	3.934	6.542		
		-1.67	1.637	9.061	1.591	2.632	2.289	4.234	6.159		
53		-3.18	-0.65	6.492	1.943	2.379	3.481	4.451	5.781		
125		-2.33	3.231	1.041	1.010	2.143	3.477	3.927	2.172		
160		-1.54	1.467	1.466	1.061	2.908	3.305	3.302	4.544		
200		-2.59	1.374	2.217	2.332	3.327	2.932	3.384	2.827		
250		-2.34	3.899	2.131	2.002	3.319	2.951	4.130	2.146		
315		-1.029	1.797	1.320	2.071	2.146	1.708	4.359	3.683		
400		-1.588	1.308	1.888	2.374	1.486	2.348	4.355	2.883		
500		-1.495	3.806	2.875	3.117	3.928	2.873	3.484	2.814		
630		-1.127	4.937	1.208	2.084	3.276	4.138	2.343	1.027		
800		1.240	1.039	1.934	1.049	2.738	2.199	1.771	1.19		
1000		1.255	1.997	1.583	1.693	2.108	2.819	2.121	1.32		
1250		2.752	1.053	1.209	1.400	2.754	2.148	1.832	1.16		
1600		1.531	1.872	2.109	1.618	2.087	3.488	2.818	1.81		
2000		1.999	1.078	2.029	1.743	1.038	3.674	2.884	2.92		
2500		1.875	1.148	2.441	2.844	3.832	3.278	2.15	2.95		
3150		1.899	1.156	2.687	3.233	6.898	2.613	1.25	1.87		
4000		1.183	2.246	1.617	3.164	4.388	2.078	1.47	1.38		
5000		1.030	1.427	2.089	2.790	1.708	4.088	1.46	1.93		
6300		1.978	1.309	4.327	3.198	6.918	1.088	4.72	1.32		
8000		3.448	2.10	1.437	3.513	2.868	3.279	2.94	1.94		
10000		4.838	1.084	1.459	1.021	3.567	2.886	3.66	1.99		

D67

AIR LEAK TEMP: 32.00
 AIR LEAK FWD: 38.00
 AIR PRESSURE: 28.76
 AIR VELOCITY: 1.912

FAA FA-100-CRESSOR - PHASE 2B + 2C 10'S 9 DEG OPEN Y/D 2/17/78

W-13 9-3-124 SPEED 57.1

0

RADIAL DISTANCE 190

PAGE 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET									
	7.2	17.2	27.2	37.2	47.2	57.2	67.2	77.2	87.2	97.2
50	68.45	68.34	70.30	71.77	72.15	72.76	73.82	75.16	77.77	184.8
63	68.02	67.46	69.49	70.31	70.50	72.24	73.83	75.84	77.95	183.6
87	66.86	66.95	69.49	70.76	71.34	72.48	73.82	75.43	76.83	183.6
123	70.56	69.24	70.99	72.83	73.26	73.83	75.15	75.72	77.33	183.6
125	64.40	67.45	69.61	70.99	71.56	72.44	73.17	73.88	75.13	183.6
167	66.26	66.54	69.49	70.65	71.38	72.09	72.46	72.22	71.74	183.6
200	66.19	65.96	66.83	68.35	69.23	70.02	70.89	71.16	71.28	183.6
250	66.09	64.52	64.27	65.74	66.31	66.88	67.26	69.67	69.78	183.6
315	71.83	68.44	69.54	70.70	70.75	72.04	72.78	73.16	73.23	183.6
400	73.20	72.33	73.51	74.86	74.48	76.18	76.21	76.74	76.28	183.6
500	73.92	73.79	74.77	76.01	76.95	77.17	78.22	78.09	77.08	183.6
533	72.87	72.40	73.12	73.99	74.82	75.14	75.45	75.75	74.93	183.6
600	68.59	76.69	75.35	76.37	77.24	78.02	77.65	77.31	74.97	183.6
800	82.70	83.44	80.77	82.67	83.72	83.88	83.75	81.81	78.72	183.6
1000	84.44	83.67	81.70	83.21	83.50	83.51	83.04	81.67	80.08	183.6
1200	84.58	83.99	84.16	84.77	84.29	83.71	83.35	82.87	80.78	183.6
1500	83.30	84.07	84.14	83.12	83.97	83.69	83.24	81.30	79.33	183.6
2000	83.82	82.19	82.58	84.84	83.88	84.78	83.23	77.74	77.14	183.6
2500	87.79	86.74	86.81	88.07	87.23	88.30	87.84	84.12	84.99	183.6
3150	87.91	87.88	87.08	88.99	88.28	89.39	89.36	84.22	84.38	183.6
4000	84.28	85.09	86.38	87.32	87.58	89.17	87.81	81.21	88.46	183.6
5000	85.39	85.10	85.18	88.69	86.86	88.39	86.30	79.92	81.14	183.6
6000	85.21	86.25	86.72	84.62	85.59	85.81	85.43	88.37	81.95	183.6
8000	82.81	85.93	85.25	82.52	82.69	83.87	83.88	78.72	78.19	183.6
10000	97.17	96.94	96.02	97.27	98.32	98.35	98.65	94.48	94.76	183.6
MEASURED OASPL	95.82	96.81	95.33	95.89	97.17	97.19	97.29	93.89	93.83	183.6
CALCULATED OASPL	100.6	100.4	100.6	100.5	111.0	111.7	111.5	107.1	107.2	183.6

OASPL 149.6

4 BLEND TEMP. 32.00
 100% BLEND TEMP. 30.00
 50% PRESSURE 28.76
 100% PRESSURE 3.912

FAA FA /COMPRESSOR - PHAS- 58 + 50 INVS 9 JEG OPEN T/D 2/17/74

90 110 9036127 5-86-003500

DATE: 4/27/77

RADIAL DISTANCE 190

PAGE 1, 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

	0.2	10.0	2.0	30.2	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0
0	-2.42	-2.53	-2.74	-2.94	-3.14	-3.34	-3.54	-3.74	-3.94	-4.14	-4.34	-4.54	-4.74	-4.94	-5.14	-5.34	-5.54	-5.74	-5.94
10	-2.19	-2.30	-2.51	-2.71	-2.91	-3.11	-3.31	-3.51	-3.71	-3.91	-4.11	-4.31	-4.51	-4.71	-4.91	-5.11	-5.31	-5.51	-5.71
20	-1.96	-2.07	-2.27	-2.47	-2.67	-2.87	-3.07	-3.27	-3.47	-3.67	-3.87	-4.07	-4.27	-4.47	-4.67	-4.87	-5.07	-5.27	-5.47
30	-1.73	-1.84	-2.04	-2.24	-2.44	-2.64	-2.84	-3.04	-3.24	-3.44	-3.64	-3.84	-4.04	-4.24	-4.44	-4.64	-4.84	-5.04	-5.24
40	-1.50	-1.61	-1.81	-2.01	-2.21	-2.41	-2.61	-2.81	-3.01	-3.21	-3.41	-3.61	-3.81	-4.01	-4.21	-4.41	-4.61	-4.81	-5.01
50	-1.27	-1.38	-1.58	-1.78	-1.98	-2.18	-2.38	-2.58	-2.78	-2.98	-3.18	-3.38	-3.58	-3.78	-3.98	-4.18	-4.38	-4.58	-4.78
60	-1.04	-1.15	-1.35	-1.55	-1.75	-1.95	-2.15	-2.35	-2.55	-2.75	-2.95	-3.15	-3.35	-3.55	-3.75	-3.95	-4.15	-4.35	-4.55
70	-0.81	-0.92	-1.12	-1.32	-1.52	-1.72	-1.92	-2.12	-2.32	-2.52	-2.72	-2.92	-3.12	-3.32	-3.52	-3.72	-3.92	-4.12	-4.32
80	-0.58	-0.69	-0.89	-1.09	-1.29	-1.49	-1.69	-1.89	-2.09	-2.29	-2.49	-2.69	-2.89	-3.09	-3.29	-3.49	-3.69	-3.89	-4.09
90	-0.35	-0.46	-0.66	-0.86	-1.06	-1.26	-1.46	-1.66	-1.86	-2.06	-2.26	-2.46	-2.66	-2.86	-3.06	-3.26	-3.46	-3.66	-3.86
100	-0.12	-0.23	-0.43	-0.63	-0.83	-1.03	-1.23	-1.43	-1.63	-1.83	-2.03	-2.23	-2.43	-2.63	-2.83	-3.03	-3.23	-3.43	-3.63
110	0.11	0.00	-0.20	-0.40	-0.60	-0.80	-1.00	-1.20	-1.40	-1.60	-1.80	-2.00	-2.20	-2.40	-2.60	-2.80	-3.00	-3.20	-3.40
120	0.34	0.23	-0.17	-0.37	-0.57	-0.77	-0.97	-1.17	-1.37	-1.57	-1.77	-1.97	-2.17	-2.37	-2.57	-2.77	-2.97	-3.17	-3.37
130	0.57	0.46	-0.40	-0.60	-0.80	-1.00	-1.20	-1.40	-1.60	-1.80	-2.00	-2.20	-2.40	-2.60	-2.80	-3.00	-3.20	-3.40	-3.60
140	0.80	0.69	-0.63	-0.83	-1.03	-1.23	-1.43	-1.63	-1.83	-2.03	-2.23	-2.43	-2.63	-2.83	-3.03	-3.23	-3.43	-3.63	-3.83
150	1.04	0.92	-0.86	-1.06	-1.26	-1.46	-1.66	-1.86	-2.06	-2.26	-2.46	-2.66	-2.86	-3.06	-3.26	-3.46	-3.66	-3.86	-4.06
160	1.27	1.15	-1.09	-1.29	-1.49	-1.69	-1.89	-2.09	-2.29	-2.49	-2.69	-2.89	-3.09	-3.29	-3.49	-3.69	-3.89	-4.09	-4.29
170	1.50	1.38	-1.32	-1.52	-1.72	-1.92	-2.12	-2.32	-2.52	-2.72	-2.92	-3.12	-3.32	-3.52	-3.72	-3.92	-4.12	-4.32	-4.52
180	1.73	1.61	-1.55	-1.75	-1.95	-2.15	-2.35	-2.55	-2.75	-2.95	-3.15	-3.35	-3.55	-3.75	-3.95	-4.15	-4.35	-4.55	-4.75

D69

1.0000 32.00
 1.0000 32.00
 1.0000 32.00
 1.0000 32.00
 1.0000 32.00

FAA FA/COMPRESS - PHASE 23 + 20 INVS 9 JEG OPEN T/D 2/17/77

R. 13 2.3=127 SPEC=55.4

RADIAL DISTANCE 150

PAGE 1 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLE FROM INLET	ANGLE FROM INLET											
	10.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0
5"	-1.99	-2.28	-1.28	-1.92	-1.02	-1.02	-1.02	-1.02	-1.02	-1.02	-1.02	-1.02
6"	-2.04	-2.63	-1.26	-1.92	-1.02	-1.02	-1.02	-1.02	-1.02	-1.02	-1.02	-1.02
8"	-3.50	-2.07	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08
12"	-3.44	-2.38	-0.91	-0.91	-0.91	-0.91	-0.91	-0.91	-0.91	-0.91	-0.91	-0.91
125	-3.88	-2.33	-0.98	-0.98	-0.98	-0.98	-0.98	-0.98	-0.98	-0.98	-0.98	-0.98
160	-2.72	-2.29	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97
20"	-1.51	-2.03	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97
25"	1.258	-1.707	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97
315	1.435	-1.77	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97
42"	1.247	-1.20	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97
500	-1.947	-1.20	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97
530	-1.975	-1.70	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97
600	4.329	-1.999	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97
620	3.957	-1.955	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97
1250	3.491	-2.346	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97
1600	1.631	-1.326	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97
2000	1.828	-1.911	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97
2500	2.354	-1.260	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97
3150	1.740	-0.900	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97
4000	1.632	-0.343	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97
5000	-1.732	-1.252	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97
6300	1.435	-0.440	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97
8000	2.348	-0.974	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97
10000	1.790	-0.995	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97	-0.97

D71

Ambient Temp. 32.20
 Wet-Bulb Temp. 30.00
 Sat. Pressure 28.76
 Abs. Humidity 3.912

FAA FAN/COMPRESSOR - PHASE 3F - 50 INVS 9 UEG OPEN T/D 2/17/70

Revised 0130128 SPEC-5750

RADIAL DISTANCE 150

PAQR1 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET															
	2.5°	5.0°	7.5°	10.0°	12.5°	15.0°	17.5°	20.0°	22.5°	25.0°	27.5°	30.0°	32.5°	35.0°	37.5°	40.0°
50	70.84	70.82	71.01	73.28	73.99	74.56	75.33	77.38	80.69							180.3
63	69.09	69.11	72.13	73.32	73.69	74.16	74.73	76.36	81.25							186.7
80	68.73	69.28	72.26	73.35	74.17	75.16	76.07	77.54	82.88							188.4
100	72.51	72.39	74.86	76.83	77.31	78.38	80.37	83.88	91.48							190.8
125	68.88	70.19	72.93	73.89	74.89	76.36	78.04	80.77	85.80							192.1
160	67.98	68.77	72.32	73.94	74.23	75.33	76.88	79.11	84.17							193.8
200	67.73	68.19	70.87	72.79	73.00	73.38	74.19	75.78	80.82							195.0
250	65.74	65.74	66.66	68.35	68.88	69.49	70.31	71.94	76.02							196.3
315	73.76	70.59	72.47	73.27	73.59	74.37	75.15	76.19	78.75							197.8
400	76.22	73.73	75.26	76.59	77.95	78.77	79.88	81.87	86.80							199.3
500	76.24	75.83	77.26	78.49	79.88	81.18	82.91	85.24	89.70							200.8
630	74.42	74.99	76.28	77.50	78.46	79.19	80.31	81.33	83.77							202.1
800	71.39	70.90	73.37	74.51	75.47	76.37	77.84	79.57	82.33							203.7
1000	64.14	62.75	62.33	62.57	63.11	63.52	63.78	64.16	64.19							205.2
1250	83.83	84.65	83.20	83.48	83.18	82.87	82.48	82.59	82.30							206.9
1600	80.23	85.49	86.14	86.34	86.59	87.46	88.43	89.32	89.85							208.0
2000	82.89	86.42	86.07	86.97	87.32	88.09	88.44	88.78	89.15							209.3
2500	85.74	84.98	85.28	86.17	86.93	87.17	87.32	87.38	87.35							210.8
3150	87.74	86.25	84.95	85.16	85.48	85.74	85.42	85.38	85.33							212.1
4000	92.07	92.39	90.49	90.72	90.88	90.98	91.01	91.02	91.01							213.4
5000	86.02	88.84	90.55	90.78	90.99	91.08	91.03	91.04	91.02							214.7
6300	86.19	88.04	91.33	90.12	90.78	91.18	91.74	91.31	91.24							216.0
8000	86.10	86.82	87.95	86.74	88.51	88.98	89.48	89.23	89.18							217.3
10000	85.96	86.67	84.84	85.59	87.02	88.33	89.24	90.23	91.08							218.6
12500	89.39	90.71	90.09	90.34	90.5	90.5	90.4	90.13	90.09							219.9
16000	98.03	98.47	98.17	98.88	99.17	99.3	99.63	99.48	99.78							221.2
20000	113.1	112.9	112.2	112.4	112.5	112.5	112.5	112.5	112.5							222.5

0APML1 188.2

AIR TEMP 32.80
 SURF TEMP 30.00
 BAR. PRESSURE 28.76
 AIR HUMIDITY 3.012

FAN #1 / COMPRESSOR - PHASE 50 - 30 : UVS 9 JEG OPEN T/D 2/17/70

FAN #2
 SPEED 5000

RADIAL DISTANCE 150

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

		ANGLES FROM INLET											
		15.2	25.2	35.2	45.2	55.2	65.2	75.2	85.2	95.2	105.2	115.2	125.2
1	15.2	-2.94	-2.55	-2.92	-2.55	-1.97	-1.48	-1.23	-1.32	-1.32	-1.32	-1.32	-1.32
2	25.2	-2.45	-2.92	-2.45	-2.92	-1.97	-1.48	-1.23	-1.32	-1.32	-1.32	-1.32	-1.32
3	35.2	-4.52	-3.43	-4.52	-3.43	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49
4	45.2	-3.39	-3.59	-3.39	-3.59	-1.55	-1.55	-1.55	-1.55	-1.55	-1.55	-1.55	-1.55
5	55.2	-4.72	-2.52	-4.72	-2.52	-1.82	-1.82	-1.82	-1.82	-1.82	-1.82	-1.82	-1.82
6	65.2	-5.58	-3.71	-5.58	-3.71	-1.87	-1.87	-1.87	-1.87	-1.87	-1.87	-1.87	-1.87
7	75.2	-2.36	-3.51	-2.36	-3.51	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49
8	85.2	-4.29	-1.42	-4.29	-1.42	-1.15	-1.15	-1.15	-1.15	-1.15	-1.15	-1.15	-1.15
9	95.2	-1.32	-2.42	-1.32	-2.42	-1.44	-1.44	-1.44	-1.44	-1.44	-1.44	-1.44	-1.44
10	105.2	-5.89	-1.59	-5.89	-1.59	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04	-2.04
11	115.2	-1.27	-1.34	-1.27	-1.34	-1.27	-1.27	-1.27	-1.27	-1.27	-1.27	-1.27	-1.27
12	125.2	-1.14	-1.55	-1.14	-1.55	-1.78	-1.78	-1.78	-1.78	-1.78	-1.78	-1.78	-1.78
13	135.2	-4.62	-1.95	-4.62	-1.95	-2.37	-2.37	-2.37	-2.37	-2.37	-2.37	-2.37	-2.37
14	145.2	-2.47	-1.42	-2.47	-1.42	-1.68	-1.68	-1.68	-1.68	-1.68	-1.68	-1.68	-1.68
15	155.2	-3.15	-2.67	-3.15	-2.67	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72
16	165.2	-1.61	-1.89	-1.61	-1.89	-1.32	-1.32	-1.32	-1.32	-1.32	-1.32	-1.32	-1.32
17	175.2	-1.28	-1.91	-1.28	-1.91	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84
18	185.2	-2.17	-1.17	-2.17	-1.17	-1.87	-1.87	-1.87	-1.87	-1.87	-1.87	-1.87	-1.87
19	195.2	-1.94	-1.33	-1.94	-1.33	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47	-1.47
20	205.2	-1.88	-1.67	-1.88	-1.67	-1.36	-1.36	-1.36	-1.36	-1.36	-1.36	-1.36	-1.36
21	215.2	-1.88	-1.82	-1.88	-1.82	-2.59	-2.59	-2.59	-2.59	-2.59	-2.59	-2.59	-2.59
22	225.2	-1.83	-1.27	-1.83	-1.27	-1.44	-1.44	-1.44	-1.44	-1.44	-1.44	-1.44	-1.44
23	235.2	-4.32	-2.38	-4.32	-2.38	-1.93	-1.93	-1.93	-1.93	-1.93	-1.93	-1.93	-1.93
24	245.2	-1.92	-4.15	-1.92	-4.15	-1.24	-1.24	-1.24	-1.24	-1.24	-1.24	-1.24	-1.24

D75

TEMP 32.02
PRESS 32.02
SPEED 3.912

LOG PRESSURE - PHASE 58 + SC IGVS + DES OPEN T/D 2/17/70

SPEED 3.912

RADIAL DISTANCE 150

SOUND PRESSURE LEVELS DISCREPANCY INDEX

	17.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0
17.0																		
20.0																		
30.0																		
40.0																		
50.0																		
60.0																		
70.0																		
80.0																		
90.0																		
100.0																		
110.0																		
120.0																		
130.0																		
140.0																		
150.0																		
160.0																		
170.0																		
180.0																		

17.0 32.00
20.0 30.00
30.0 28.75
40.0 30.12

50.0 PRESSOR = PHASE 28 + 50 10VS 9 DEG OPEN T/D 2/17/73

SPEED=6422

077

RADIAL DISTANCE 150

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ	ANGLES FROM INLET									
	7.7	12.1	22.1	32.0	42.1	52.0	62.0	72.0	82.0	92.0
51	73.34	74.52	75.39	77.10	77.74	78.78	80.31	83.10	87.03	131.4
54	74.55	74.25	75.77	77.03	78.13	79.48	81.00	83.49	87.09	131.7
57	73.23	74.25	76.22	77.33	78.67	80.23	81.37	83.59	86.62	131.8
120	73.66	75.95	77.21	78.41	79.20	81.47	82.49	83.05	86.74	132.0
125	76.70	76.15	79.82	78.35	79.81	82.44	82.58	83.79	86.82	132.2
160	72.29	73.10	75.38	76.24	77.80	78.39	78.31	80.92	81.86	132.2
220	72.14	71.16	72.14	73.46	74.13	76.89	75.79	77.23	73.86	132.2
250	73.33	72.78	72.28	73.68	74.51	75.66	76.77	78.48	79.88	132.1
315	77.87	76.81	77.95	79.82	79.70	81.23	82.11	83.50	81.87	132.1
400	77.19	76.39	78.76	78.77	80.47	81.14	81.78	82.11	80.85	132.1
500	80.74	80.08	82.35	84.05	83.50	85.45	85.91	85.98	85.33	132.1
630	80.74	80.08	82.35	84.05	83.50	85.45	85.91	85.98	85.33	132.1
800	76.84	78.32	79.86	79.75	80.28	82.85	83.35	81.79	81.30	132.2
1200	83.49	80.32	80.43	81.49	82.41	83.88	82.74	82.35	79.96	132.2
1200	85.72	84.59	85.86	84.48	84.43	85.22	87.37	85.46	83.72	132.7
1200	87.31	86.88	86.11	86.64	86.38	86.81	86.84	84.42	82.47	132.7
1600	86.69	87.34	88.19	88.37	88.87	90.19	89.33	83.40	84.93	140.0
2000	86.69	87.34	88.19	88.37	88.87	90.19	89.33	83.40	84.93	140.0
2500	86.69	87.34	88.19	88.37	88.87	90.19	89.33	83.40	84.93	140.0
3150	86.69	87.34	88.19	88.37	88.87	90.19	89.33	83.40	84.93	140.0
4000	86.69	87.34	88.19	88.37	88.87	90.19	89.33	83.40	84.93	140.0
5000	86.69	87.34	88.19	88.37	88.87	90.19	89.33	83.40	84.93	140.0
6300	86.69	87.34	88.19	88.37	88.87	90.19	89.33	83.40	84.93	140.0
8000	86.69	87.34	88.19	88.37	88.87	90.19	89.33	83.40	84.93	140.0
10000	86.69	87.34	88.19	88.37	88.87	90.19	89.33	83.40	84.93	140.0

MEASURED GASOL
CALCULATED GASOL
PNCB

OAPMLI 135.7

PIEVE TEMP. 32.32
BULB TEMP. 30.22
BAR. PRESSURE 28.76
AIR HUMIDITY 3.612

FAN FAN/COMPRESSOR - PHASE 5B + 2C 19VS 9 DEG OPEN T/D 2/17/70

RUN:13 RUN:133 SPEC:00002

RADIAL DISTANCE 150

DATE: 2/25/77

SEAL PRESSURE LEVELS DIRECTIVITY INDEX

		ANGLES FROM INLET									
		35.2	57.0	70.0	87.0	94.0	100.0	110.0	120.0	130.0	142.0 150.0 160.0 170.0 180.0
51	-5.33	-4.39	-3.91	-1.01	1.02	1.02	1.02	1.02	1.02	1.02	1.02
52	-4.78	-4.29	-3.81	-1.01	1.02	1.02	1.02	1.02	1.02	1.02	1.02
53	-5.29	-4.78	-4.29	-1.01	1.02	1.02	1.02	1.02	1.02	1.02	1.02
54	-5.83	-5.33	-4.84	-1.01	1.02	1.02	1.02	1.02	1.02	1.02	1.02
12	-4.93	-4.43	-3.94	-1.01	1.02	1.02	1.02	1.02	1.02	1.02	1.02
125	-3.94	-3.43	-2.94	-1.01	1.02	1.02	1.02	1.02	1.02	1.02	1.02
162	-1.43	-1.01	-0.52	-1.01	1.02	1.02	1.02	1.02	1.02	1.02	1.02
22	1.252	1.252	1.252	1.252	1.252	1.252	1.252	1.252	1.252	1.252	1.252
25	-1.97	-1.97	-1.97	-1.97	-1.97	-1.97	-1.97	-1.97	-1.97	-1.97	-1.97
31	-2.36	-2.36	-2.36	-2.36	-2.36	-2.36	-2.36	-2.36	-2.36	-2.36	-2.36
42	-1.98	-1.98	-1.98	-1.98	-1.98	-1.98	-1.98	-1.98	-1.98	-1.98	-1.98
57	-2.37	-2.37	-2.37	-2.37	-2.37	-2.37	-2.37	-2.37	-2.37	-2.37	-2.37
532	2.087	2.087	2.087	2.087	2.087	2.087	2.087	2.087	2.087	2.087	2.087
87	2.234	2.234	2.234	2.234	2.234	2.234	2.234	2.234	2.234	2.234	2.234
127	2.251	2.251	2.251	2.251	2.251	2.251	2.251	2.251	2.251	2.251	2.251
157	1.627	1.627	1.627	1.627	1.627	1.627	1.627	1.627	1.627	1.627	1.627
230	-1.38	-1.38	-1.38	-1.38	-1.38	-1.38	-1.38	-1.38	-1.38	-1.38	-1.38
250	1.266	1.266	1.266	1.266	1.266	1.266	1.266	1.266	1.266	1.266	1.266
3157	1.197	1.197	1.197	1.197	1.197	1.197	1.197	1.197	1.197	1.197	1.197
420	1.337	1.337	1.337	1.337	1.337	1.337	1.337	1.337	1.337	1.337	1.337
510	1.921	1.921	1.921	1.921	1.921	1.921	1.921	1.921	1.921	1.921	1.921
610	1.361	1.361	1.361	1.361	1.361	1.361	1.361	1.361	1.361	1.361	1.361
677	1.116	1.116	1.116	1.116	1.116	1.116	1.116	1.116	1.116	1.116	1.116
1280	-2.82	-2.82	-2.82	-2.82	-2.82	-2.82	-2.82	-2.82	-2.82	-2.82	-2.82

D81

AIR TEMP 32.00
WATER TEMP 32.00
GAS PRESSURE 2.74
ABS. PRESSURE 3.32

FAA FA/CC PRESS 1 - PHASE 98 + 50 IGVS 9 DEG COEN Y/D 8/17/70

REV 13 01/13/74 SPEC 7100

O

RADIAL DISTANCE 150

PAGE: 1

DATE: 2/27/77

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	17.2	2.4	37.3	41.2	50.7	60.2	70.2	82.2	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
17.2	75.54	76.01	76.62	79.58	79.94	80.09	82.84	86.06	88.42											
22.1	77.46	77.46	78.01	80.41	80.99	82.88	85.02	86.76	89.63											
25.2	77.29	76.75	77.02	79.00	81.63	82.64	84.15	87.01	89.86											
31.5	75.77	77.82	79.49	81.55	82.14	83.94	85.29	87.26	89.19											
35.8	76.11	78.39	81.20	83.17	82.98	84.89	87.23	89.90	91.60											
40.2	74.58	75.82	78.12	79.55	79.76	81.86	84.81	87.79	89.87											
45.7	74.26	73.51	75.41	77.33	76.02	77.93	79.61	80.42	78.91											
50.2	77.75	74.88	75.01	76.49	78.19	78.71	79.44	81.25	81.03											
55.7	79.19	77.81	80.56	81.88	82.32	83.39	84.88	87.32	87.64											
60.2	82.42	80.83	83.38	85.56	86.26	86.76	87.78	89.92	87.68											
65.7	81.17	81.75	83.84	84.88	85.45	87.13	88.87	89.93	87.42											
70.2	76.60	78.70	79.34	82.38	83.88	84.32	85.39	88.83	83.42											
75.7	61.37	80.45	81.42	83.34	82.36	84.86	85.14	85.22	81.99											
80.2	82.50	84.28	83.44	84.35	84.32	85.58	86.81	86.57	85.12											
85.7	84.29	85.72	83.89	87.88	88.07	86.59	86.94	86.72	83.61											
90.2	82.19	84.73	86.81	86.87	83.41	83.37	85.98	84.85	83.73											
95.7	81.83	88.49	87.96	87.98	85.08	85.04	86.13	84.88	81.51											
100.2	82.54	86.19	86.95	86.58	84.83	85.72	85.78	88.57	78.71											
105.7	85.27	90.67	86.39	85.66	82.37	90.81	85.49	81.86	83.86											
110.2	90.92	95.30	91.59	94.14	93.32	93.77	95.94	86.71	87.31											
115.7	97.35	100.2	97.41	102.4	102.12	100.9	98.00	92.50	92.53											
120.2	89.59	90.89	92.26	92.29	90.81	92.09	88.93	84.33	85.59											
125.7	87.48	91.42	87.13	88.02	91.84	90.72	87.00	83.55	86.24											
130.2	87.75	95.45	90.20	93.50	93.33	90.52	85.58	80.91	80.98											
135.7	101.6	100.5	102.0	105.9	105.0	105.2	103.9	101.9	102.6											
140.2	102.4	100.4	101.3	104.7	104.6	104.8	102.4	100.3	101.1											
145.7	103.5	100.2	100.4	110.8	110.7	110.9	110.3	110.0	110.8											

MEASURED CASPL
CALC LATED CASPL

CAPHLI 19712

AMBIENT TEMP 32.2
AIR-BOLE TEMP 30.22
BAR PRESSURE 28.72
AIR HUMIDITY 3.12

FAA FAI/JO PRESSOR - PHASE DB + 50 IGVS 9 DEG OPEN T/D 2/17/72

PL 13 AUG 13K SPEED 7300

RADIAL DISTANCE 150

SCUD PRESSURE LEVELS DIRECTIVITY INDEX

		ANGLES FROM INLET									
		57.0	67.0	73.0	87.0	92.0	100.0	110.0	120.0	130.0	140.0
		57.0	67.0	73.0	87.0	92.0	100.0	110.0	120.0	130.0	140.0
5	-5.29	-4.21	-3.20	-1.32	-8.61	-1.39	2.015	3.234	9.502		
6	-4.24	-4.07	-2.72	-1.12	-5.83	2.484	5.232	9.103			
7	-5.72	-4.76	-2.50	-0.81	-1.249	1.138	2.664	5.509	8.561		
8	-6.32	-4.21	-2.33	-0.40	-1.151	1.911	3.268	5.228	8.104		
9	-8.29	-6.30	-3.11	-1.23	-1.44	5.695	2.337	4.587	7.059		
10	-3.98	-2.72	-4.3	1.815	1.221	2.525	3.379	5.251	5.536		
11	-1.15	-1.89	-0.37	1.912	1.488	2.533	3.195	5.818	3.498		
12	1.319	-2.35	-1.42	0.985	1.769	2.282	3.811	4.820	5.224		
13	-2.01	-3.39	-0.37	0.886	1.126	2.389	3.458	6.157	4.242		
14	-2.44	-3.43	-0.783	1.684	2.394	2.895	3.915	4.853	3.738		
15	-2.83	-2.19	-0.899	1.988	2.514	3.110	4.138	4.993	3.483		
16	-4.31	-2.32	-1.47	1.369	2.868	3.111	5.382	4.839	3.488		
17	-1.957	-0.725	-1.24	2.161	1.181	2.882	3.959	4.944	8.888		
18	-0.31	0.84	-1.76	1.123	1.098	2.281	4.789	3.352	1.892		
19	-2.47	1.81	-1.69	3.738	1.889	2.526	3.825	2.659	-4.95		
20	-2.71	0.841	-2.71	2.975	3.588	2.074	3.852	1.888	-4.70		
21	-1.74	3.957	-3.378	3.485	1.243	1.861	1.584	1.897	-3.87		
22	-1.89	4.567	-3.325	2.982	3.888	2.892	1.149	-3.86	-3.92		
23	-2.99	3.328	-3.359	1.856	1.819	4.461	-8.82	-3.69	-1.99		
24	-1.887	4.893	-3.917	2.931	4.113	2.668	-3.68	-4.49	-4.98		
25	-1.882	4.814	-3.945	4.839	3.886	1.854	-3.34	-3.73	-8.42		
26	1.232	1.739	-1.981	3.931	2.326	3.689	1.934	-4.83	-2.76		
27	2.337	4.132	-1.24	1.507	3.791	3.465	4.316	-3.69	-1.83		
28	-3.143	4.262	-1.894	2.381	2.144	5.332	1.373	-4.28	-4.81		

D83

ABSENT EXP. 14.02
 14.02
 23.73
 23.73
 23.73

PHASE 1/COMPRESSOR - PHASE 58 + SC IGVS 9 DEG CPEA T/D 2/17/70

RU #13 FUELSK SPEED=7320

O

RADIAL DISTANCE 150

DATE 2/27/72

PAGE 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	10.2	20.2	30.2	40.2	50.2	60.2	70.2	80.2	90.2	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0
52	76.19	76.81	77.99	80.36	81.42	82.20	82.20	82.15	82.15	82.15	82.15	82.15	82.15	82.15	82.15	82.15	82.15	82.15	82.15
63	76.03	76.88	80.73	82.03	83.09	83.84	85.81	86.45	86.45	86.45	86.45	86.45	86.45	86.45	86.45	86.45	86.45	86.45	86.45
82	76.06	77.64	80.82	81.50	82.05	84.11	85.53	86.31	86.31	86.31	86.31	86.31	86.31	86.31	86.31	86.31	86.31	86.31	86.31
122	76.34	78.93	80.62	82.39	83.39	84.71	86.34	86.89	86.89	86.89	86.89	86.89	86.89	86.89	86.89	86.89	86.89	86.89	86.89
125	76.38	81.22	81.84	84.75	86.84	88.32	89.27	89.38	89.38	89.38	89.38	89.38	89.38	89.38	89.38	89.38	89.38	89.38	89.38
162	75.43	76.33	76.93	80.15	81.25	82.11	84.58	85.23	85.23	85.23	85.23	85.23	85.23	85.23	85.23	85.23	85.23	85.23	85.23
227	74.55	73.89	76.66	77.75	77.57	79.29	80.89	82.21	80.76										
257	74.73	73.01	74.91	76.41	77.44	77.74	79.49	81.34	82.31										
315	78.67	78.79	80.20	81.58	81.78	82.82	84.87	86.84	84.84										
422	80.88	81.28	83.48	84.39	83.64	86.06	87.38	87.71	88.82										
522	80.85	82.40	83.73	85.41	86.33	87.48	88.48	89.28	89.28										
572	77.61	80.45	80.71	81.88	82.45	84.98	86.98	86.72	85.12										
772	79.29	78.04	79.18	80.99	83.52	84.30	84.84	83.91	81.92										
1222	82.59	83.08	83.33	84.12	84.40	85.77	87.74	87.84	86.84										
1258	80.73	84.85	86.42	87.71	88.94	89.76	90.81	89.19	86.36										
1572	85.28	87.54	87.38	88.88	89.51	89.82	87.48	84.94	83.14										
2002	87.32	93.42	92.65	98.78	86.58	84.69	87.31	83.89	82.07										
2502	89.78	88.77	85.12	85.89	82.76	84.23	83.81	88.31	78.32										
3152	88.37	90.61	84.41	84.39	83.99	87.89	88.09	81.33	83.45										
4002	88.58	91.78	91.29	98.81	92.85	91.27	90.15	88.21	86.04										
5002	97.74	100.12	101.4	99.73	99.29	98.79	96.67	93.81	93.88										
6322	89.51	89.96	89.95	91.31	89.25	91.88	88.39	83.86	83.37										
8002	87.94	91.48	87.25	87.45	89.28	89.14	88.71	82.48	88.33										
10202	87.56	99.36	96.29	94.59	93.61	93.71	93.78	86.73	86.89										
MEAS. VEL. CASPL	182.6	105.3	109.1	104.3	104.3	104.2	104.0	102.0	103.3										
CALCULATED CASPL	101.6	104.7	109.2	103.1	102.9	102.9	103.2	101.1	101.4										
P. DB	116.12	118.8	119.9	118.1	117.8	117.8	118.2	114.9	114.5										

GRAPH 1

MEAS. TEMP. 36.22
 MEAS. TEMP. 36.20
 MEAS. PRESSURE 28.75
 MEAS. REL. HUM. 5.012

FA. P. 100 PRESS. - PHASE 58 + 20 INVS 9 DEG OPEN T/D 2/17/72

P. 100 PRESS. - PHASE 58 + 20 INVS 9 DEG OPEN T/D 2/17/72

RADIAL DISTANCE 150

PRESSURE LEVELS DIRECTIVITY INDEX

	17.0	2.0	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0
5.0	-0.17	-5.45	-4.28	-1.96	-0.48	-0.227	1.694	3.171	9.920											
6.0	-3.64	-4.42	-2.57	-1.475	-0.821	-0.541	2.498	5.142	8.793											
7.0	-3.98	-5.19	-2.79	-1.31	-0.822	-0.500	3.769	5.493	8.779											
8.0	-7.13	-4.44	-2.75	-0.974	-0.295	-0.139	5.166	5.325	8.487											
9.0	-6.134	-4.55	-4.74	-1.02	-0.269	-0.147	4.498	5.529	5.135											
10.0	-4.134	-3.66	-1.86	-1.595	-1.259	-0.727	3.547	5.245	6.182											
11.0	-2.13	-3.73	-0.48	-1.121	-0.413	-0.119	3.472	5.379	4.127											
12.0	-1.13	-3.11	-1.61	-0.849	-0.314	-0.119	3.374	5.214	6.134											
13.0	-1.14	-3.82	-1.27	-0.643	-0.101	-0.084	3.459	6.223	3.919											
14.0	-2.15	-2.23	-0.87	-0.512	-0.107	-0.116	3.939	4.271	3.182											
15.0	-3.15	-1.99	-0.72	-1.013	-1.925	-0.929	4.883	4.883	3.121											
16.0	-4.17	-1.33	-1.27	-1.023	-0.727	-0.127	5.205	4.948	3.146											
17.0	-1.17	-2.39	-1.25	-1.595	-0.899	-0.380	4.414	3.482	1.773											
18.0	-2.874	-1.265	-0.525	-1.052	-1.434	-0.886	4.689	3.789	1.888											
19.0	2.873	1.719	0.555	1.882	1.988	2.152	1.127	1.127	1.123											
20.0	1.644	2.998	2.841	2.261	1.974	1.379	2.983	1.953	1.953											
21.0	1.457	3.646	4.375	2.931	-1.13	-0.385	-1.438	-1.438	-1.438											
22.0	2.581	3.479	1.829	2.886	-0.516	-1.338	-1.281	-3.18	-3.18											
23.0	3.551	3.799	-0.88	-1.178	2.882	-0.723	-3.49	-3.49	-3.49											
24.0	1.715	2.988	2.512	1.225	3.265	2.479	1.359	2.97	2.97											
25.0	3.335	2.827	4.815	3.312	1.482	1.338	2.357	2.357	2.357											
26.0	1.792	2.241	2.127	3.593	1.513	3.364	1.670	2.14	2.14											
27.0	1.387	4.926	1.584	1.899	2.695	2.314	1.577	-3.87	-3.87											
28.0	-5.23	6.574	3.585	1.821	1.821	1.821	-1.82	-6.06	-6.06											

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DATE REV. 12/22
REV. 12/22
REV. 12/22
REV. 12/22

DATE A/C PRESSURE PHASE 58 * 20 1985 9 053 OPEN T/D 2/17/70

REV. 13 0.18134 S-1007402

RADIAL DISTANCE 150

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	17.2	21.2	30.2	47.2	55.2	60.2	70.2	81.2	90.2	100.0	110.0	120.0	130.0	142.2	152.2	160.0	170.0	(PH)
49.4							70.62	81.59	88.52	93.32	95.39	98.09	93.32					130.7
51							81.48	83.09	84.01	84.89	86.01	89.26	93.75					137.9
53							81.39	83.22	84.04	85.07	86.01	89.23	93.23					137.6
87							81.86	83.26	84.44	85.69	87.79	89.12	92.58					137.9
102							83.96	85.83	87.37	88.81	91.16	90.23	93.03					138.3
125							77.82	79.90	81.32	82.74	84.75	83.67	84.28	85.28				138.7
152							74.95	77.31	78.48	79.78	81.04	79.94	81.08	81.88				138.3
21							75.66	78.03	79.14	80.44	80.91	83.24	83.09	85.16				138.8
252							77.69	80.22	82.78	83.97	85.37	87.49	88.49	88.27				137.4
315							82.48	85.25	86.83	87.79	88.84	89.77	90.73	90.39				137.8
402							83.5	85.03	85.64	87.09	88.08	89.03	89.79	89.88				138.3
512							80.43	81.17	81.39	82.58	83.26	85.75	84.28	83.73				138.4
532							84.42	84.28	87.86	89.49	87.19	88.47	88.88	85.41				138.4
542							85.51	85.14	87.78	89.49	87.78	88.55	87.88	86.32				138.9
1202							86.02	86.78	89.18	89.89	91.77	91.88	91.73	90.60				138.1
1252							91.17	91.33	91.78	92.34	92.96	91.88	90.73	90.60				138.1
1532							87.42	87.20	88.38	89.78	87.94	88.38	87.73	86.21				138.3
2002							86.42	86.71	87.20	87.80	87.49	87.59	86.45	83.13				138.3
2502							84.21	83.69	83.85	83.25	84.30	83.31	80.78	79.71				137.9
3152							80.14	79.69	78.71	78.04	77.63	76.16	72.83	72.49				137.9
4202							91.64	91.33	90.60	90.36	90.16	88.14	85.45	85.09				138.3
5202							90.11	89.7	88.1	87.18	87.10	86.86	85.29	82.99				138.3
6302							88.86	88.65	88.23	87.89	87.88	87.46	83.24	81.48				138.1
6002							90.91	90.49	87.78	87.58	88.09	86.43	83.48	82.89				138.6
10002							95.18	94.64	91.99	93.44	93.58	91.19	86.38	86.21				138.6

PERMITS CASPL
CALCULATED PWSB

CAPULT 130.7

TEMP. 32.00
WIND TEMP. 30.00
WIND PRESSURE 28.76
WIND VELOCITY 3.912

FAA PAV/COMPRESSOR - PHASE 5B - 5C 10VS 9 DEG OPEN T/D 2/17/70

WIND 113 SPEED=7742

RADIAL DISTANCE 150

PAGE 1 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

	10.0	2.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0
53	-6.71	-5.15	-3.81	-1.84	-1.00	-1.19	1.954	5.263	9.668									
53	-5.4	-4.48	-3.02	-1.41	-0.488	-0.10	2.404	5.991	9.246									
53	-6.62	-5.19	-2.84	-1.21	-0.186	0.10	2.378	5.998	9.624									
53	-7.24	-4.63	-2.59	-1.17	-0.17	0.17	2.341	5.954	9.525									
53	-2.54	-1.71	-3.76	-2.04	-2.284	2.348	5.451	3.566	5.366									
53	-3.27	-2.32	-1.71	-1.17	-1.089	2.020	3.942	4.731	5.127									
53	-1.84	-1.70	-1.50	-1.05	-1.049	2.184	3.287	4.283	4.429									
53	-3.44	-3.47	-2.31	-1.054	-0.97	1.779	4.106	6.351	6.826									
53	-4.17	-3.89	-2.36	-1.78	-2.72	2.799	4.316	6.213	4.692									
53	-2.21	-3.59	-1.74	-0.844	-1.754	3.048	3.771	4.938	4.599									
53	-2.82	-1.56	-1.37	-1.237	-1.093	3.273	4.219	4.983	5.872									
53	-2.24	-1.85	-1.45	-1.249	-1.052	2.535	5.032	3.993	2.683									
53	-1.62	-1.23	-1.25	-1.537	-1.05	1.863	3.116	3.954	3.113									
53	-1.062	-1.120	-1.44	-1.257	-1.106	1.119	3.086	2.620	1.961									
53	-4.382	-3.466	-2.53	-1.994	-2.442	-4.22	4.667	-1.885	-2.33									
53	-2.19	-3.020	-3.042	-3.497	-3.038	3.051	0.041	-1.885	-2.48									
53	-1.49	-3.23	-3.289	-1.559	-2.19	-2.43	-1.51	-1.66	-1.98									
53	-1.919	-3.274	-3.487	-1.559	-2.225	-2.15	1.229	-1.53	-2.58									
53	-3.043	-3.283	-3.478	-1.78	-1.886	3.338	-1.333	-2.46	-1.81									
53	-2.481	-3.059	-3.348	-1.78	-2.378	2.172	1.523	-2.54	-2.29									
53	-2.162	-1.443	-4.969	-3.37	-2.415	4.316	-1.285	-1.48	-2.77									
53	-1.275	-1.812	-3.888	-3.281	-1.539	2.835	-4.184	-3.51	-2.43									
53	-1.176	-4.385	-2.894	-1.299	-2.799	2.294	0.258	-3.19	-3.11									
53	-3.55	-4.627	-3.894	-1.448	-2.691	2.953	0.936	-4.19	-4.34									

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D87

DATE 10/1/70 32.00
TIME 10/1/70 31.00
PAGE 28/74
APP. 3.912

FAA PAV/JM-2 - PHASE 5B + DC IGVS 9 DEG OPEN T/D 2/17/70

PAV/JM-2 3038137 SPEC007702

RADIAL DISTANCE 150

DATE: 2/25/77

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	7.2	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
ANGLE FROM INLET																					
5"	77.90	79.95	80.74	82.07	83.97	84.57	87.03	89.12	94.04	130.1											
43"	78.02	80.49	81.81	84.04	84.78	88.93	88.19	91.63	98.89	130.4											
87"	78.02	80.75	82.97	84.1	85.73	87.17	88.79	91.47	98.81	130.4											
127"	78.41	82.20	83.74	85.29	86.32	87.02	88.57	92.05	94.00	130.4											
125"	80.03	92.77	86.08	86.94	87.09	88.49	89.06	90.43	93.37	131.3											
142"	78.72	82.31	82.08	83.13	83.82	84.98	85.46	87.28	88.44	131.1											
282"	76.38	76.39	78.75	79.33	79.78	81.12	81.47	83.36	88.53	131.1											
282"	76.52	75.88	77.09	79.55	80.49	82.87	84.33	86.81	88.28	131.1											
315"	81.42	80.02	82.71	84.95	86.24	87.61	89.38	91.98	94.47	130.9											
402"	83.62	83.24	86.66	88.97	88.87	90.32	91.78	92.96	98.82	130.4											
502"	83.40	88.51	86.48	87.06	88.99	88.71	91.09	91.61	98.83	131.1											
632"	83.54	82.50	84.18	83.33	84.11	85.91	87.16	88.63	84.22	131.9											
832"	87.75	87.00	82.42	84.36	85.74	86.31	87.08	88.92	89.75	131.4											
1222"	81.52	99.06	88.19	87.12	88.92	88.32	90.32	88.54	97.82	130.8											
1252"	83.34	99.28	96.53	98.38	87.79	91.41	93.46	91.36	88.73	130.7											
1602"	83.46	92.15	90.89	90.02	82.81	89.88	88.44	87.84	88.89	130.8											
2282"	83.44	91.68	89.73	87.11	87.44	87.38	88.78	87.87	84.79	131.4											
2582"	83.01	87.77	84.77	83.82	83.52	85.00	84.18	83.78	84.79	131.4											
3150"	88.91	86.54	83.62	83.35	83.09	86.98	84.92	83.89	86.37	130.1											
4050"	88.91	91.14	88.98	88.36	90.36	90.11	88.39	88.07	86.39	130.9											
5002"	92.30	97.55	97.43	99.39	98.04	98.11	96.99	98.79	91.74	130.7											
6322"	83.82	89.14	89.26	91.31	88.59	91.23	88.81	84.31	84.77	130.4											
8050"	81.70	92.49	87.44	98.06	87.72	89.48	88.06	85.01	85.78	130.1											
10002"	88.59	97.04	92.11	94.84	93.09	94.78	92.74	88.74	86.39	130.9											
MEASURED OASPL	138.3	180.1	184.2	185.8	186.4	184.4	185.3	186.2	182.2												
CALCULATED OASPL	138.8	180.2	182.6	183.5	183.2	183.4	183.7	183.2	182.2												
PNOB	138.2	130.2	137.1	138.4	138.8	137.3	137.6	138.2	136.7												

GRAPH

AMBIENT TEMP 32.02
WET-BULB TEMP 30.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.012

FAA FAN/COMPRESSOR - PHASE 30 + 5C SUS 9 DEG OPEN T/D 2/17/78

RUN#13 RDG#136 SPEED=7900

DATE: 2/25/70

RADIAL DISTANCE 150

PAGE 1 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

2.0 10.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0 100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 (PHL)

FREQ	2.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0
50	-0.84	-0.87	-0.84	-0.87	-0.84	-0.87	-0.84	-0.87	-0.84	-0.87	-0.84	-0.87	-0.84	-0.87	-0.84	-0.87	-0.84	-0.87
63	-0.125	-0.125	-0.125	-0.125	-0.125	-0.125	-0.125	-0.125	-0.125	-0.125	-0.125	-0.125	-0.125	-0.125	-0.125	-0.125	-0.125	-0.125
80	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15	-0.15
100	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03	-0.03
125	1.253	1.253	1.253	1.253	1.253	1.253	1.253	1.253	1.253	1.253	1.253	1.253	1.253	1.253	1.253	1.253	1.253	1.253
160	-2.74	-2.74	-2.74	-2.74	-2.74	-2.74	-2.74	-2.74	-2.74	-2.74	-2.74	-2.74	-2.74	-2.74	-2.74	-2.74	-2.74	-2.74
200	-2.87	-2.87	-2.87	-2.87	-2.87	-2.87	-2.87	-2.87	-2.87	-2.87	-2.87	-2.87	-2.87	-2.87	-2.87	-2.87	-2.87	-2.87
250	-1.86	-1.86	-1.86	-1.86	-1.86	-1.86	-1.86	-1.86	-1.86	-1.86	-1.86	-1.86	-1.86	-1.86	-1.86	-1.86	-1.86	-1.86
315	-1.72	-1.72	-1.72	-1.72	-1.72	-1.72	-1.72	-1.72	-1.72	-1.72	-1.72	-1.72	-1.72	-1.72	-1.72	-1.72	-1.72	-1.72
400	-1.59	-1.59	-1.59	-1.59	-1.59	-1.59	-1.59	-1.59	-1.59	-1.59	-1.59	-1.59	-1.59	-1.59	-1.59	-1.59	-1.59	-1.59
500	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49	-1.49
630	3.336	3.336	3.336	3.336	3.336	3.336	3.336	3.336	3.336	3.336	3.336	3.336	3.336	3.336	3.336	3.336	3.336	3.336
800	1.839	1.839	1.839	1.839	1.839	1.839	1.839	1.839	1.839	1.839	1.839	1.839	1.839	1.839	1.839	1.839	1.839	1.839
1000	1.978	1.978	1.978	1.978	1.978	1.978	1.978	1.978	1.978	1.978	1.978	1.978	1.978	1.978	1.978	1.978	1.978	1.978
1250	2.661	2.661	2.661	2.661	2.661	2.661	2.661	2.661	2.661	2.661	2.661	2.661	2.661	2.661	2.661	2.661	2.661	2.661
1500	1.958	1.958	1.958	1.958	1.958	1.958	1.958	1.958	1.958	1.958	1.958	1.958	1.958	1.958	1.958	1.958	1.958	1.958
2000	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114	1.114
3150	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882
4000	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882
5000	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882
6300	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882
8000	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882
10000	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882	1.882

D89

AMBIENT TEMP 32.00
WETBULB TEMP 30.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.912

FAA FAN/COMPRESSOR - PHASE 9B - 0G 10VS 9 DEG ORBN T/D 2/17/70

RUN#13 ROG#138 SPEED=7000

RACIAL DISTANCE 130

PAGE 1

DATE 2/27/77

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

		ANGLES FROM INLET															
		0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150
D90	1	78.92	80.77	81.67	84.15	86.79	89.87	93.14	96.15	98.77	100.8	102.3	103.8	105.2	106.8	108.8	110.8
	2	80.89	81.22	82.77	85.29	87.86	90.78	93.54	96.78	99.83	101.8	103.3	104.8	106.2	107.8	109.8	111.8
	3	82.14	82.10	84.32	86.17	88.14	90.20	92.78	95.08	97.43	99.8	101.8	103.3	104.8	106.2	107.8	109.8
	4	83.63	83.26	86.06	88.05	90.01	92.06	94.12	96.06	98.07	100.0	101.8	103.3	104.8	106.2	107.8	109.8
	5	85.59	85.20	88.02	90.00	92.00	94.09	96.17	98.07	100.0	101.8	103.3	104.8	106.2	107.8	109.8	111.8
	6	87.51	87.13	89.97	91.93	93.93	95.97	97.94	99.83	101.8	103.3	104.8	106.2	107.8	109.8	111.8	113.8
	7	89.24	88.86	91.75	93.70	95.69	97.63	99.54	101.4	103.3	104.8	106.2	107.8	109.8	111.8	113.8	115.8
	8	91.11	90.73	93.64	95.59	97.58	99.52	101.4	103.3	104.8	106.2	107.8	109.8	111.8	113.8	115.8	117.8
	9	93.06	92.68	95.60	97.55	99.54	101.4	103.3	104.8	106.2	107.8	109.8	111.8	113.8	115.8	117.8	119.8
	10	95.00	94.62	97.55	99.50	101.4	103.3	104.8	106.2	107.8	109.8	111.8	113.8	115.8	117.8	119.8	121.8
D90	11	96.94	96.56	99.51	101.46	103.41	105.36	107.31	109.26	111.21	113.16	115.11	117.06	119.01	120.96	122.91	124.86
	12	98.89	98.51	101.46	103.41	105.36	107.31	109.26	111.21	113.16	115.11	117.06	119.01	120.96	122.91	124.86	126.81
	13	100.83	100.45	103.00	104.95	106.90	108.85	110.80	112.75	114.70	116.65	118.60	120.55	122.50	124.45	126.40	128.35
	14	102.78	102.40	105.05	107.00	108.95	110.90	112.85	114.80	116.75	118.70	120.65	122.60	124.55	126.50	128.45	130.40
	15	104.73	104.35	107.00	108.95	110.90	112.85	114.80	116.75	118.70	120.65	122.60	124.55	126.50	128.45	130.40	132.35
	16	106.68	106.30	109.05	111.00	112.95	114.90	116.85	118.80	120.75	122.70	124.65	126.60	128.55	130.50	132.45	134.40
	17	108.63	108.25	111.00	112.95	114.90	116.85	118.80	120.75	122.70	124.65	126.60	128.55	130.50	132.45	134.40	136.35
	18	110.58	110.20	113.05	115.00	116.95	118.90	120.85	122.80	124.75	126.70	128.65	130.60	132.55	134.50	136.45	138.40
	19	112.53	112.15	115.00	116.95	118.90	120.85	122.80	124.75	126.70	128.65	130.60	132.55	134.50	136.45	138.40	140.35
	20	114.48	114.10	117.05	119.00	120.95	122.90	124.85	126.80	128.75	130.70	132.65	134.60	136.55	138.50	140.45	142.40
MEASURE BASED		181.5	185.2	186.3	193.1	195.1	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8	195.8
CALCULATE BASED		180.5	183.7	184.7	191.6	193.6	193.7	193.7	193.7	193.7	193.7	193.7	193.7	193.7	193.7	193.7	193.7
		130.4	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6	116.6

0.000000

12.00
30.00
28.76
3.612

PHASE 9 JEG OPEN T/D 2/17/77

SPECIFICATION

RADIAL DISTANCE 150

PAGE 1 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

		ANGLES FROM INLET									
		10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
10.0	10.0	-6.03	-4.39	-4.33	-1.81	-1.75	-0.963	-0.778	1.393	5.395	10.02
20.0	10.0	-7.31	-5.08	-4.33	-1.81	-1.75	-0.963	-0.778	1.393	5.395	10.02
30.0	10.0	-7.33	-5.27	-4.33	-1.81	-1.75	-0.963	-0.778	1.393	5.395	10.02
40.0	10.0	-6.45	-4.83	-4.33	-1.81	-1.75	-0.963	-0.778	1.393	5.395	10.02
50.0	10.0	-2.738	-1.738	-1.738	-1.738	-1.738	-1.738	-1.738	-1.738	-1.738	-1.738
60.0	10.0	-1.69	-1.20	-1.20	-1.20	-1.20	-1.20	-1.20	-1.20	-1.20	-1.20
70.0	10.0	-2.10	-1.98	-1.98	-1.98	-1.98	-1.98	-1.98	-1.98	-1.98	-1.98
80.0	10.0	-2.47	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26
90.0	10.0	-3.02	-2.77	-2.77	-2.77	-2.77	-2.77	-2.77	-2.77	-2.77	-2.77
100.0	10.0	-3.58	-3.37	-3.37	-3.37	-3.37	-3.37	-3.37	-3.37	-3.37	-3.37
110.0	10.0	-4.33	-4.10	-4.10	-4.10	-4.10	-4.10	-4.10	-4.10	-4.10	-4.10
120.0	10.0	-5.18	-4.94	-4.94	-4.94	-4.94	-4.94	-4.94	-4.94	-4.94	-4.94
130.0	10.0	-6.03	-5.79	-5.79	-5.79	-5.79	-5.79	-5.79	-5.79	-5.79	-5.79
140.0	10.0	-6.88	-6.64	-6.64	-6.64	-6.64	-6.64	-6.64	-6.64	-6.64	-6.64
150.0	10.0	-7.73	-7.49	-7.49	-7.49	-7.49	-7.49	-7.49	-7.49	-7.49	-7.49
160.0	10.0	-8.58	-8.34	-8.34	-8.34	-8.34	-8.34	-8.34	-8.34	-8.34	-8.34
170.0	10.0	-9.43	-9.19	-9.19	-9.19	-9.19	-9.19	-9.19	-9.19	-9.19	-9.19
180.0	10.0	-10.28	-10.04	-10.04	-10.04	-10.04	-10.04	-10.04	-10.04	-10.04	-10.04
190.0	10.0	-11.13	-10.89	-10.89	-10.89	-10.89	-10.89	-10.89	-10.89	-10.89	-10.89
200.0	10.0	-11.98	-11.74	-11.74	-11.74	-11.74	-11.74	-11.74	-11.74	-11.74	-11.74
210.0	10.0	-12.83	-12.59	-12.59	-12.59	-12.59	-12.59	-12.59	-12.59	-12.59	-12.59
220.0	10.0	-13.68	-13.44	-13.44	-13.44	-13.44	-13.44	-13.44	-13.44	-13.44	-13.44
230.0	10.0	-14.53	-14.29	-14.29	-14.29	-14.29	-14.29	-14.29	-14.29	-14.29	-14.29
240.0	10.0	-15.38	-15.14	-15.14	-15.14	-15.14	-15.14	-15.14	-15.14	-15.14	-15.14
250.0	10.0	-16.23	-15.99	-15.99	-15.99	-15.99	-15.99	-15.99	-15.99	-15.99	-15.99
260.0	10.0	-17.08	-16.84	-16.84	-16.84	-16.84	-16.84	-16.84	-16.84	-16.84	-16.84
270.0	10.0	-17.93	-17.69	-17.69	-17.69	-17.69	-17.69	-17.69	-17.69	-17.69	-17.69
280.0	10.0	-18.78	-18.54	-18.54	-18.54	-18.54	-18.54	-18.54	-18.54	-18.54	-18.54
290.0	10.0	-19.63	-19.39	-19.39	-19.39	-19.39	-19.39	-19.39	-19.39	-19.39	-19.39
300.0	10.0	-20.48	-20.24	-20.24	-20.24	-20.24	-20.24	-20.24	-20.24	-20.24	-20.24
310.0	10.0	-21.33	-21.09	-21.09	-21.09	-21.09	-21.09	-21.09	-21.09	-21.09	-21.09
320.0	10.0	-22.18	-21.94	-21.94	-21.94	-21.94	-21.94	-21.94	-21.94	-21.94	-21.94
330.0	10.0	-23.03	-22.79	-22.79	-22.79	-22.79	-22.79	-22.79	-22.79	-22.79	-22.79
340.0	10.0	-23.88	-23.64	-23.64	-23.64	-23.64	-23.64	-23.64	-23.64	-23.64	-23.64
350.0	10.0	-24.73	-24.49	-24.49	-24.49	-24.49	-24.49	-24.49	-24.49	-24.49	-24.49
360.0	10.0	-25.58	-25.34	-25.34	-25.34	-25.34	-25.34	-25.34	-25.34	-25.34	-25.34

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D91

32.48
30.48
29.76
3.612

PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/74

SPR000102

3/13/77

RADIAL DISTANCE 150

PAGE 2

SEA PRESS RE LEVELS DIRECTIVITY INDEX

		ANGLES FROM 1-180		180, 170, 160, 150, 140, 130, 120, 110, 100, 90, 80, 70, 60, 50, 40, 30, 20, 10, 0	
1	10	10	10	10	10
2	20	20	20	20	20
3	30	30	30	30	30
4	40	40	40	40	40
5	50	50	50	50	50
6	60	60	60	60	60
7	70	70	70	70	70
8	80	80	80	80	80
9	90	90	90	90	90
10	100	100	100	100	100
11	110	110	110	110	110
12	120	120	120	120	120
13	130	130	130	130	130
14	140	140	140	140	140
15	150	150	150	150	150
16	160	160	160	160	160
17	170	170	170	170	170
18	180	180	180	180	180
19	190	190	190	190	190
20	200	200	200	200	200
21	210	210	210	210	210
22	220	220	220	220	220
23	230	230	230	230	230
24	240	240	240	240	240
25	250	250	250	250	250
26	260	260	260	260	260
27	270	270	270	270	270
28	280	280	280	280	280
29	290	290	290	290	290
30	300	300	300	300	300
31	310	310	310	310	310
32	320	320	320	320	320
33	330	330	330	330	330
34	340	340	340	340	340
35	350	350	350	350	350
36	360	360	360	360	360
37	370	370	370	370	370
38	380	380	380	380	380
39	390	390	390	390	390
40	400	400	400	400	400
41	410	410	410	410	410
42	420	420	420	420	420
43	430	430	430	430	430
44	440	440	440	440	440
45	450	450	450	450	450
46	460	460	460	460	460
47	470	470	470	470	470
48	480	480	480	480	480
49	490	490	490	490	490
50	500	500	500	500	500
51	510	510	510	510	510
52	520	520	520	520	520
53	530	530	530	530	530
54	540	540	540	540	540
55	550	550	550	550	550
56	560	560	560	560	560
57	570	570	570	570	570
58	580	580	580	580	580
59	590	590	590	590	590
60	600	600	600	600	600
61	610	610	610	610	610
62	620	620	620	620	620
63	630	630	630	630	630
64	640	640	640	640	640
65	650	650	650	650	650
66	660	660	660	660	660
67	670	670	670	670	670
68	680	680	680	680	680
69	690	690	690	690	690
70	700	700	700	700	700
71	710	710	710	710	710
72	720	720	720	720	720
73	730	730	730	730	730
74	740	740	740	740	740
75	750	750	750	750	750
76	760	760	760	760	760
77	770	770	770	770	770
78	780	780	780	780	780
79	790	790	790	790	790
80	800	800	800	800	800
81	810	810	810	810	810
82	820	820	820	820	820
83	830	830	830	830	830
84	840	840	840	840	840
85	850	850	850	850	850
86	860	860	860	860	860
87	870	870	870	870	870
88	880	880	880	880	880
89	890	890	890	890	890
90	900	900	900	900	900
91	910	910	910	910	910
92	920	920	920	920	920
93	930	930	930	930	930
94	940	940	940	940	940
95	950	950	950	950	950
96	960	960	960	960	960
97	970	970	970	970	970
98	980	980	980	980	980
99	990	990	990	990	990
100	1000	1000	1000	1000	1000

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TEMP 32.00
PRESSURE 28.74
WIND 3.012

SEA PRESSURE - PHASE 58 + 20 1405 + 1455 T/D 2/12/76

SP=1001

DATE: 1/11/78

RADIAL DISTANCE 150

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22.5% PRESSURE LEVELS DIRECTIVITY INDEX

12.2 5.7 92.0 122.2 112.7 120.0 130.0 140.2 150.0 160.2 170.0 (PUL)

ANGLES FROM INLET

FREQ	12.2	5.7	92.0	122.2	112.7	120.0	130.0	140.2	150.0	160.2	170.0
57	-7.20	-5.01	-4.59	-2.39	-1.83	-1.33	1.514	3.226	10.22		
63	-7.29	-6.21	-4.46	-2.47	-1.75	-1.46	1.338	5.591	18.28		
87	-7.14	-5.43	-3.65	-2.19	-1.34	-0.89	1.926	5.770	9.739		
127	-8.19	-5.17	-3.59	-1.55	-0.41	0.039	2.774	5.667	9.233		
155	-6.94	-4.17	-2.36	-0.749	1.687	3.598	2.623	4.877	7.83		
162	-5.45	-3.76	-1.95	-2.282	3.298	4.866	2.174	3.978	3.839		
207	-1.99	-1.46	-0.95	-1.482	1.252	2.278	2.679	4.986	5.883		
227	-2.25	-1.45	-0.97	-0.954	1.139	2.387	4.691	6.282	5.685		
315	-2.66	-1.55	-2.45	-1.51	0.816	2.724	4.545	6.419	4.324		
400	-4.95	-2.93	-1.789	-1.819	1.082	3.729	3.384	3.829	4.832		
507	-3.77	-1.73	-0.836	-1.064	1.585	2.847	3.927	4.644	4.339		
527	1.973	1.663	2.388	3.328	3.644	1.043	3.366	2.493	3.733		
587	1.531	1.056	1.942	1.392	1.846	3.339	2.577	2.254	3.328		
827	-1.84	0.174	1.392	2.087	1.251	2.335	3.770	2.583	3.824		
1227	1.426	1.128	1.496	1.492	1.237	2.697	3.699	2.186	1.288		
1627	-2.27	0.778	1.019	2.486	1.583	3.343	3.994	1.898	1.830		
2027	-1.74	1.248	2.234	3.158	2.854	1.758	3.895	1.818	1.936		
2527	-1.833	1.864	2.379	3.278	1.988	3.317	2.481	3.148	2.359		
3157	1.628	1.894	1.349	4.098	2.138	3.338	1.344	4.434	1.882		
4227	1.424	1.145	1.466	2.385	1.243	3.162	1.828	1.136	2.212		
5277	-6.42	-2.37	3.336	6.982	0.887	-1.77	-2.74	-0.62	-9.71		
6327	-8.14	-1.81	4.507	6.312	1.814	1.442	-0.212	-0.16	-1.11		
8227	-3.34	3.118	1.738	2.317	4.971	2.526	4.278	1.07	-1.42		
10222	-4.97	4.188	2.947	4.141	2.535	2.529	-1.13	-0.38	-4.78		

D95

AIR-Temp 32.42
WATER-Temp 16.22
OIL PRESSURE 26.76
OIL VISCOSITY 3.612

FAN FA / COMPRESSOR - PHASE 9B - 20 INVS 9 DEG OPEN T/D 2/12/78

RU 203 203844 SPECS9346

DATE: 3/02/70

RADIAL DISTANCE 150

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

X	FREQ.	-INCHES FROM INLET									
		0.2	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0
50	50	79.14	80.99	81.08	84.89	85.48	86.09	88.09	88.85	91.78	93.78
60	60	80.34	81.31	83.05	84.94	85.09	86.78	88.82	89.82	93.02	97.75
80	80	80.63	82.29	83.98	85.52	86.44	87.48	89.34	90.34	93.34	97.45
100	100	79.99	81.28	83.00	84.56	87.14	87.83	89.39	90.39	93.39	97.46
125	125	80.82	83.61	85.47	86.32	88.33	89.33	90.88	91.88	94.88	98.94
160	160	81.44	83.20	85.06	86.98	88.99	89.99	91.54	92.54	95.54	99.67
200	200	78.06	78.83	80.32	81.32	83.09	83.17	84.64	85.64	88.64	92.71
250	250	80.43	78.86	79.32	81.41	82.48	84.81	87.87	88.87	91.87	95.94
315	315	84.81	82.83	83.08	87.24	88.28	91.24	91.94	94.94	98.94	103.01
400	400	85.03	86.88	88.02	90.82	91.00	93.77	94.77	97.77	101.77	105.84
500	500	85.128	87.25	89.81	92.88	93.09	95.84	96.84	99.84	103.84	107.91
630	630	86.00	86.35	88.47	86.34	86.37	88.80	89.37	91.80	94.80	98.87
800	800	90.21	88.27	89.28	89.99	92.00	92.83	94.83	95.83	98.83	102.90
1000	1000	83.84	88.24	89.77	89.77	92.83	92.83	95.83	96.83	99.83	103.90
1250	1250	83.88	88.00	89.99	89.99	92.83	92.83	95.83	96.83	99.83	103.90
1600	1600	84.79	87.31	88.79	89.44	91.01	91.01	93.81	94.81	97.81	101.88
2000	2000	84.89	86.91	88.22	88.97	90.53	90.53	93.53	94.53	97.53	101.60
2500	2500	83.53	83.40	86.96	86.96	89.37	89.37	92.37	93.37	96.37	100.44
3150	3150	81.20	81.28	83.78	83.78	86.19	86.19	89.19	90.19	93.19	97.26
4000	4000	80.87	80.86	83.34	83.34	85.75	85.75	88.75	89.75	92.75	96.82
5000	5000	83.81	86.02	86.97	88.40	89.37	91.01	91.01	93.01	95.01	99.08
6300	6300	87.84	87.84	89.77	89.77	91.40	91.40	93.40	94.40	97.40	101.47
8000	8000	86.84	86.84	88.79	88.79	90.42	90.42	92.42	93.42	96.42	100.49
10000	10000	84.87	84.87	86.72	86.72	88.35	88.35	90.35	91.35	94.35	98.42

MEASURED GASPL
CALCULATED GASPL
PND8

GAPHL1 180.7

A-VENT TEMP 32.80
WET-BULB TEMP 30.80
BAR. PRESSURE 29.98
ABS. HUMIDITY 5.912

FAA FAN/COMPRESSOR - PHASE 3D 11 SC IGVS 0 D88 0PE1 /D 2/12/70

RUN#13 ADD#142 SPEED#6500

DATE: 5/32/79

RADIAL DISTANCE 126

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	2.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0
50						-7.39	-5.54	-4.95	-2.45	-1.06	-0.42	1.91	5.259	10.22					
63						-7.13	-5.97	-4.92	-2.54	-1.79	-0.42	1.91	5.259	10.22					
80						-7.20	-5.43	-3.82	-2.28	-1.24	-0.42	1.91	5.259	10.22					
100						-6.24	-5.03	-3.14	-1.88	-0.75	-0.27	2.732	5.083	9.226					
125						-6.93	-4.14	-2.28	-1.03	-0.39	-0.27	2.732	5.083	9.226					
160						-8.42	-3.66	-1.88	-1.03	-0.39	-0.27	2.732	5.083	9.226					
200						-1.87	-1.18	-3.704	1.383	1.590	2.249	2.710	4.080	4.975					
250						-1.98	-4.35	-1.88	1.383	1.590	2.249	2.710	4.080	4.975					
315						-8.63	-4.31	-2.36	-1.07	-0.39	-0.27	2.732	5.083	9.226					
400						-4.96	-3.91	-1.88	-1.03	-0.39	-0.27	2.732	5.083	9.226					
500						-3.69	-1.72	-1.88	-1.03	-0.39	-0.27	2.732	5.083	9.226					
630						-1.78	-3.84	-1.88	-1.03	-0.39	-0.27	2.732	5.083	9.226					
800						-1.57	-1.46	-1.88	-1.03	-0.39	-0.27	2.732	5.083	9.226					
1000						-1.83	-1.734	-1.88	-1.03	-0.39	-0.27	2.732	5.083	9.226					
1250						-1.950	-1.369	-1.88	-1.03	-0.39	-0.27	2.732	5.083	9.226					
1600						-2.18	-1.802	-1.88	-1.03	-0.39	-0.27	2.732	5.083	9.226					
2000						-1.71	-1.105	-1.88	-1.03	-0.39	-0.27	2.732	5.083	9.226					
2500						-1.64	-1.433	-1.88	-1.03	-0.39	-0.27	2.732	5.083	9.226					
3150						-1.704	-1.691	-1.88	-1.03	-0.39	-0.27	2.732	5.083	9.226					
4000						-2.408	-1.831	-1.88	-1.03	-0.39	-0.27	2.732	5.083	9.226					
5000						-0.42	-2.31	-1.88	-1.03	-0.39	-0.27	2.732	5.083	9.226					
6300						-1.23	-1.04	-1.88	-1.03	-0.39	-0.27	2.732	5.083	9.226					
8000						-1.23	-1.04	-1.88	-1.03	-0.39	-0.27	2.732	5.083	9.226					
10000						-4.74	-4.038	-1.88	-1.03	-0.39	-0.27	2.732	5.083	9.226					

D97

AMBIENT TEMP: 32.00
WET-BULB TEMP: 30.00
BAR. PRESSURE: 30.76
ABS. HUMIDITY: 3.612

FAN FAN/COMPRESSOR - PHASE 9B - 9C 16VS 9 DEG OPEN Y/L 2/1778

RUN:13 R00:142 SPEED:0500

DATE: 3/22/72

PAGE: 1

RADIAL DISTANCE 150

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET									
	2.0	16.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0
50	78.74	88.40	82.12	81.00	84.50	85.29	87.08	91.01	96.08	130.17
63	79.84	88.91	83.00	81.57	85.61	86.56	88.59	92.98	97.67	148.7
80	79.74	81.55	84.26	85.69	87.1	87.96	89.80	93.22	96.78	148.6
100	76.74	82.91	85.32	86.58	87.1	88.81	91.35	93.58	97.14	141.6
125	82.49	88.17	88.13	90.82	92.08	92.70	95.00	97.81	99.54	132.4
160	79.68	88.86	85.06	90.48	90.13	91.28	93.89	96.96	98.14	148.3
200	77.27	77.21	88.09	81.59	81.23	81.85	82.82	84.38	84.64	132.3
250	81.08	77.08	81.03	81.04	82.00	83.09	85.49	87.20	87.91	135.0
315	83.82	82.28	82.74	82.34	82.75	83.08	85.49	87.20	87.91	135.0
400	91.36	98.29	91.21	90.84	91.52	92.42	93.43	93.88	92.83	149.3
500	84.97	87.37	88.14	89.29	89.25	91.93	92.29	93.46	92.16	142.8
630	86.78	84.09	85.99	86.51	86.98	87.26	89.51	87.94	88.31	130.8
800	88.67	84.78	86.23	86.91	86.23	89.08	90.79	98.18	87.48	141.8
1000	87.30	88.83	88.33	88.38	88.02	87.84	90.38	98.33	88.58	141.7
1250	91.48	92.87	92.00	92.02	92.43	92.18	92.82	98.32	88.18	142.1
1600	86.46	87.82	88.23	88.87	88.41	89.38	88.79	88.32	87.52	141.1
2000	84.32	88.63	88.74	88.93	87.93	87.83	88.78	82.61	89.93	148.8
2500	82.11	85.83	84.84	84.45	88.37	88.11	88.98	83.26	83.33	138.3
3150	85.31	88.48	84.88	84.88	84.34	88.10	88.08	84.84	88.88	138.2
4000	89.21	88.06	88.33	90.22	91.03	92.59	88.61	86.44	88.99	148.2
5000	90.28	84.91	88.8	84.9	88.11	92.19	92.22	91.16	87.19	138.7
6300	88.18	84.91	83.19	83.59	82.40	83.37	88.88	88.88	88.19	141.3
8000	86.87	85.88	88.04	89.5	92.12	88.78	87.22	81.28	88.84	144.8
10000	87.27	85.42	91.79	92.69	92.74	93.00	88.33	87.23	88.77	147.6
MEASURED CASPL	181.5	183.5	187.2	188.5	186.7	188.3	189.9	188.3	188.3	187.5
CALCULATED CASPL	188.1	188.1	185.7	187.8	185.2	184.6	184.3	184.8	185.8	
PWB	188.6	188.6	188.8	182.1	188.8	188.8	187.4	188.8	184.6	

GAPHL: 158.8

AMBIENT TEMP, 32.88
WET-BULB TEMP, 30.88
FAN PRESSURE 28.76
ABS. HUMIDITY 3.912

FAA FAN/COMPRESSOR - PHASE 9B - 3C 18VS 9 DEG OPEN T/D 2/17/78

RUN#13 QD#143 SPEED#8308

DATE: 3/02/70

RADIAL DISTANCE 150

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET									
	0.2	12.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0
52	78.74	89.48	81.00	83.71	84.84	85.20	87.24	98.75	95.32	130.0
63	80.59	81.19	82.97	84.57	85.56	86.56	88.68	92.27	96.77	148.2
82	79.09	81.09	84.00	85.52	86.67	87.92	89.68	93.89	96.71	148.0
100	79.32	82.78	85.86	86.46	87.47	88.78	90.74	93.41	96.48	141.2
125	87.88	86.08	88.43	89.43	90.19	90.36	92.91	92.79	94.93	141.5
162	81.61	81.96	85.44	87.87	87.82	88.39	88.27	88.89	89.49	138.9
200	77.74	77.94	81.06	81.68	81.36	82.00	82.77	84.44	84.42	133.4
250	78.12	77.08	79.32	80.84	82.74	83.08	85.67	89.14	87.33	135.4
315	88.85	81.26	83.30	84.63	84.84	85.16	88.94	91.48	90.42	140.8
400	88.39	86.83	87.34	88.08	88.19	89.11	92.92	93.31	93.20	142.5
500	84.97	89.99	91.92	91.81	90.73	91.33	92.56	93.25	91.68	143.3
630	82.59	85.48	87.12	88.46	89.06	89.66	88.86	87.63	86.12	138.7
800	92.32	92.35	96.47	98.53	89.82	89.72	89.30	91.32	89.19	142.4
1000	88.36	88.44	91.18	88.78	87.91	89.12	91.88	92.47	88.88	141.0
1250	87.11	87.40	93.43	93.08	91.14	91.32	93.83	92.87	88.89	140.3
1600	87.32	88.99	98.75	89.83	88.84	89.31	98.34	88.12	86.71	142.1
2000	85.77	88.94	89.64	89.07	87.64	87.16	88.30	86.99	85.49	142.0
2500	86.95	86.92	86.28	86.79	84.88	84.32	85.38	82.47	81.71	138.3
3150	88.16	86.16	84.81	83.87	82.97	82.73	85.21	83.84	81.74	138.1
4000	87.79	89.98	89.72	91.29	91.87	92.11	88.98	86.49	86.38	142.9
5000	93.89	97.98	100.8	101.3	98.19	98.38	97.33	98.73	98.38	131.7
6300	87.05	89.49	91.24	92.71	98.27	91.33	89.86	85.63	85.21	144.4
8000	87.56	98.49	88.65	89.68	91.54	89.81	87.48	83.69	84.98	144.3
10000	85.12	93.32	92.88	92.93	92.13	93.23	98.30	85.17	85.77	140.1
MEASURED CASPL	102.3	105.5	106.3	106.9	105.5	105.4	100.2	100.1	107.1	
CALCULATED CASPL	108.6	104.1	104.0	103.2	103.9	103.4	104.5	104.4	105.1	
PNDB	134.1	118.8	119.6	120.3	120.3	117.4	110.2	115.0	116.7	

0APHL4 137.4

AMBIENT TEMP 32.00
WET-BULB TEMP 30.00
BAR. PRESSURE 28.70
ABS. HUMIDITY 3.912

FAA FAN/COMPRESSOR - PHASE 50 - SC 10VS 9 DBB OPEN T/D 2/17/70

RUN#13 RDG#144 SPEED#0100

DATE: 3/02/70

RADIAL DISTANCE 154

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET									
	0,0	10,0	20,0	30,0	40,0	50,0	60,0	70,0	80,0	90,0
50	-6,73	-4,99	-3,59	-1,76	-1,03	-1,212	1,787	5,269	9,844	
63	-5,62	-5,62	-3,85	-2,25	-1,26	-1,263	1,803	5,449	9,948	
80	-7,36	-5,46	-3,20	-1,83	-1,05	-1,05	1,628	2,319	5,732	9,349
100	-8,23	-4,98	-2,69	-1,29	-1,06	-1,06	1,210	2,004	3,584	8,733
125	-3,16	-4,11	-1,64	-1,482	3,393	3,178	2,936	3,593	3,933	
160	-3,69	-3,33	1,994	2,579	2,922	3,097	2,976	3,593	4,191	
200	-2,16	-1,95	1,159	1,779	1,459	2,163	2,875	4,566	4,526	
250	-3,76	-4,61	-2,57	-1,04	-1,018	1,017	3,767	7,264	5,465	
315	-4,19	-4,98	-2,85	-1,41	-1,098	2,614	4,489	7,178	4,382	
400	-2,25	-2,61	-1,11	-1,869	1,346	3,189	4,277	4,869	4,558	
500	-4,44	-1,978	2,503	1,088	1,313	2,619	3,541	3,033	2,270	
630	-2,12	-1,748	2,416	1,757	1,194	1,879	4,153	2,934	1,489	
800	-2,42	-1,877	-1,81	2,255	1,477	1,439	3,118	3,935	1,889	
1000	-1,834	-1,788	3,381	1,842	1,684	1,381	3,989	2,737	1,139	
1250	-1,396	-1,476	3,634	1,863	-1,875	-1,396	1,821	6,954	-1,41	
1600	-1,184	-1,373	3,134	2,287	1,439	1,592	2,716	5,893	-1,913	
2000	-1,375	-1,499	3,482	2,824	1,428	1,828	2,146	7,552	-1,751	
2500	-1,967	-2,486	2,789	3,221	1,354	2,188	1,713	-1,894	-1,88	
3150	-2,122	-2,828	2,788	3,283	1,828	2,838	1,177	-1,999	-1,282	
4000	-2,126	-2,305	2,648	1,613	1,305	2,539	1,886	-1,18	-1,89	
5000	-4,126	-1,735	4,544	5,899	1,948	2,668	1,879	-1,38	-5,86	
6300	-1,735	-1,148	2,897	1,356	1,188	2,878	1,516	-8,72	-1,14	
8000	-2,332	-3,427	3,389	2,511	1,278	2,342	1,881	-3,78	-2,29	
10000	-3,166	-3,536	3,883	3,146	2,351	3,468	6,184	-4,65	-4,81	

D101

AMBIENT TEMP: 32,80
WET-BULB TEMP: 30,80
BAR. PRESSURE: 29,76
ABS. HUMIDITY: 3,912

FAA FAN/COMPRESSOR - PHASE 5B - 5C 10VS 9 DEG OPEN T/D 2/17/70

RUN#13 AUG#144 SPEED#0100

DATE: 3/23/78

RADIAL DISTANCE 198

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	2.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PUL)
PREC	77.98	79.85	81.99	84.12	86.25	88.38	90.51	92.64	94.77	96.90	99.03	101.16	103.29	105.42	107.55	109.68	111.81	113.94	116.07
50	77.98	79.85	81.99	84.12	86.25	88.38	90.51	92.64	94.77	96.90	99.03	101.16	103.29	105.42	107.55	109.68	111.81	113.94	116.07
63	78.92	80.79	82.92	85.05	87.18	89.31	91.44	93.57	95.70	97.83	99.96	102.09	104.22	106.35	108.48	110.61	112.74	114.87	117.00
80	79.96	81.83	83.96	86.09	88.22	90.35	92.48	94.61	96.74	98.87	101.00	103.13	105.26	107.39	109.52	111.65	113.78	115.91	118.04
100	80.99	82.86	84.99	87.12	89.25	91.38	93.51	95.64	97.77	99.90	102.03	104.16	106.29	108.42	110.55	112.68	114.81	116.94	119.07
125	81.99	83.86	85.99	88.12	90.25	92.38	94.51	96.64	98.77	100.90	103.03	105.16	107.29	109.42	111.55	113.68	115.81	117.94	120.07
160	82.99	84.86	86.99	89.12	91.25	93.38	95.51	97.64	99.77	101.90	104.03	106.16	108.29	110.42	112.55	114.68	116.81	118.94	121.07
200	83.99	85.86	87.99	90.12	92.25	94.38	96.51	98.64	100.77	102.90	105.03	107.16	109.29	111.42	113.55	115.68	117.81	119.94	122.07
250	84.99	86.86	88.99	91.12	93.25	95.38	97.51	99.64	101.77	103.90	106.03	108.16	110.29	112.42	114.55	116.68	118.81	120.94	123.07
315	85.99	87.86	89.99	92.12	94.25	96.38	98.51	100.64	102.77	104.90	107.03	109.16	111.29	113.42	115.55	117.68	119.81	121.94	124.07
400	86.99	88.86	90.99	93.12	95.25	97.38	99.51	101.64	103.77	105.90	108.03	110.16	112.29	114.42	116.55	118.68	120.81	122.94	125.07
500	87.99	89.86	91.99	94.12	96.25	98.38	100.51	102.64	104.77	106.90	109.03	111.16	113.29	115.42	117.55	119.68	121.81	123.94	126.07
630	88.99	90.86	92.99	95.12	97.25	99.38	101.51	103.64	105.77	107.90	110.03	112.16	114.29	116.42	118.55	120.68	122.81	124.94	127.07
800	89.99	91.86	93.99	96.12	98.25	100.38	102.51	104.64	106.77	108.90	111.03	113.16	115.29	117.42	119.55	121.68	123.81	125.94	128.07
1000	90.99	92.86	94.99	97.12	99.25	101.38	103.51	105.64	107.77	109.90	112.03	114.16	116.29	118.42	120.55	122.68	124.81	126.94	129.07
1250	91.99	93.86	95.99	98.12	100.25	102.38	104.51	106.64	108.77	110.90	113.03	115.16	117.29	119.42	121.55	123.68	125.81	127.94	130.07
1600	92.99	94.86	96.99	99.12	101.25	103.38	105.51	107.64	109.77	111.90	114.03	116.16	118.29	120.42	122.55	124.68	126.81	128.94	131.07
2000	93.99	95.86	97.99	100.12	102.25	104.38	106.51	108.64	110.77	112.90	115.03	117.16	119.29	121.42	123.55	125.68	127.81	129.94	132.07
2500	94.99	96.86	98.99	101.12	103.25	105.38	107.51	109.64	111.77	113.90	116.03	118.16	120.29	122.42	124.55	126.68	128.81	130.94	133.07
3150	95.99	97.86	99.99	102.12	104.25	106.38	108.51	110.64	112.77	114.90	117.03	119.16	121.29	123.42	125.55	127.68	129.81	131.94	134.07
4000	96.99	98.86	100.99	103.12	105.25	107.38	109.51	111.64	113.77	115.90	118.03	120.16	122.29	124.42	126.55	128.68	130.81	132.94	135.07
5000	97.99	99.86	101.99	104.12	106.25	108.38	110.51	112.64	114.77	116.90	119.03	121.16	123.29	125.42	127.55	129.68	131.81	133.94	136.07
6300	98.99	100.86	102.99	105.12	107.25	109.38	111.51	113.64	115.77	117.90	120.03	122.16	124.29	126.42	128.55	130.68	132.81	134.94	137.07
8000	99.99	101.86	103.99	106.12	108.25	110.38	112.51	114.64	116.77	118.90	121.03	123.16	125.29	127.42	129.55	131.68	133.81	135.94	138.07
10000	100.99	102.86	104.99	107.12	109.25	111.38	113.51	115.64	117.77	119.90	122.03	124.16	126.29	128.42	130.55	132.68	134.81	136.94	139.07

MEASURED CASPL
CALCULATED CASPL
PNDB

AMBIENT TEMP 32.00
WET-BULB TEMP 30.00
BAR PRESSURE 29.94
ABS HUMIDITY 5.912

FAX FAX/COMPRESSOR - PHASE 3B - 3C 10VS 9 DEC OPEN Y/D 2/17/78

RUN-13 400-145 SPEED-7000

QAPHL: 187.1

DATE: 3/23/72

RADIAL DISTANCE 150

PAGE 1 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET															
	7.2	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0
40	-6.83	-4.96	-3.01	-1.02	-0.93	-1.03	-1.03	-1.03	-1.03	-1.03	-1.03	-1.03	-1.03	-1.03	-1.03	-1.03
63	-6.46	-4.46	-3.04	-1.03	-0.978	-1.068	-1.068	-1.068	-1.068	-1.068	-1.068	-1.068	-1.068	-1.068	-1.068	-1.068
80	-7.14	-5.15	-3.16	-1.18	-1.073	-1.177	-1.177	-1.177	-1.177	-1.177	-1.177	-1.177	-1.177	-1.177	-1.177	-1.177
100	-8.127	-6.171	-4.171	-2.16	-1.061	-1.1312	-1.1312	-1.1312	-1.1312	-1.1312	-1.1312	-1.1312	-1.1312	-1.1312	-1.1312	-1.1312
125	-1.260	3.944	-1.73	-7.50	-1.596	1.837	1.242	2.636	5.031	6.149						
160	-2.42	-1.931	-0.674	0.204	0.220	2.182	2.636	5.031	6.149							
200	-1.79	-1.34	0.348	1.743	1.613	2.417	2.766	4.832	4.832							
252	-2.442	-3.80	-3.39	1.478	0.559	1.004	4.308	5.339	5.145							
314	-3.57	-4.99	-2.83	-4.39	1.200	3.811	4.343	6.509	3.677							
400	-3.44	-2.24	-0.999	1.482	1.841	3.672	4.832	4.501	3.113							
500	-4.56	-1.34	-1.34	1.581	1.482	3.533	4.832	4.832	2.686							
632	-3.66	-4.80	-2.31	1.388	1.374	2.436	4.583	3.591	2.787							
800	-2.12	-2.754	-1.69	-4.68	3.533	1.020	2.804	3.211	-1.10							
1000	-1.2085	-2.751	-1.601	-1.593	3.532	1.009	3.274	2.505	1.545							
1250	-1.529	-3.947	-3.306	-1.87	-2.44	-1.33	-1.482	-1.482	-1.482							
1600	-1.817	-3.485	-4.844	2.238	-0.140	1.890	1.798	0.881	-1.00							
2000	-1.358	-2.480	-2.825	1.968	1.156	2.857	1.343	-2.10	-1.74							
2500	-1.390	-2.804	-2.894	2.984	1.155	2.508	1.321	-1.38	-1.74							
3150	-3.731	-3.543	-1.119	-1.153	1.358	4.432	4.239	-1.43	0.194							
4000	-2.792	-3.176	-1.515	2.118	3.871	2.227	1.186	-2.22	-1.10							
5000	-1.62	-2.118	-2.537	3.325	3.858	1.231	5.825	-2.39	-2.37							
6300	-0.277	-1.738	-2.333	4.087	1.488	2.208	1.487	-2.92	-2.33							
8000	-0.897	-4.397	-0.669	3.848	2.931	2.178	0.518	-3.94	-2.10							
10000	-4.67	-6.842	-7.679	2.833	1.828	2.496	-1.679	-5.94	-5.02							

D103

AMBIENT TEMP. 32.00
WET-BULB TEMP. 30.00
BAR. PRESSURE 29.76
ABS. HUMIDITY 5.912

FAA FAN/COMPRESSOR - PHASE 5B + 5C 10VS 9 DBS OPEN T/D 2/17/78

RUN#13 RDG#145 SPEED#7900

RADIAL DISTANCE 150

DATE: 3/24/70

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET									
	2.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0
50	76.91	78.37	80.06	81.85	82.19	82.11	84.98	88.49	93.19	100.0
63	78.82	79.56	81.11	83.04	83.75	84.42	86.28	89.09	94.85	100.0
80	79.22	79.94	81.58	83.30	84.41	85.58	87.39	89.83	92.49	100.0
100	76.55	78.94	81.58	83.30	84.41	85.58	87.39	89.83	92.49	100.0
125	84.25	77.56	81.58	83.30	84.41	85.58	87.39	89.83	92.49	100.0
160	76.81	77.56	81.58	83.30	84.41	85.58	87.39	89.83	92.49	100.0
200	74.64	75.87	77.11	78.37	79.56	80.72	81.85	82.98	84.11	100.0
250	74.91	76.08	77.25	78.42	79.59	80.76	81.93	83.10	84.27	100.0
315	77.36	78.63	79.90	81.17	82.44	83.71	84.98	86.25	87.52	100.0
400	82.81	84.08	85.35	86.62	87.89	89.16	90.43	91.70	92.97	100.0
500	88.96	90.23	91.50	92.77	94.04	95.31	96.58	97.85	99.12	100.0
630	77.27	78.54	79.81	81.08	82.35	83.62	84.89	86.16	87.43	100.0
800	82.49	83.76	85.03	86.30	87.57	88.84	90.11	91.38	92.65	100.0
1000	85.96	87.23	88.50	89.77	91.04	92.31	93.58	94.85	96.12	100.0
1250	94.43	95.70	96.97	98.24	99.51	100.78	102.05	103.32	104.59	100.0
1600	87.56	88.83	90.10	91.37	92.64	93.91	95.18	96.45	97.72	100.0
2000	86.36	87.63	88.90	90.17	91.44	92.71	93.98	95.25	96.52	100.0
2500	83.68	84.95	86.22	87.49	88.76	90.03	91.30	92.57	93.84	100.0
3150	87.59	88.86	90.13	91.40	92.67	93.94	95.21	96.48	97.75	100.0
4000	90.88	92.15	93.42	94.69	95.96	97.23	98.50	99.77	101.04	100.0
5000	93.38	94.65	95.92	97.19	98.46	99.73	101.00	102.27	103.54	100.0
6300	88.02	89.29	90.56	91.83	93.10	94.37	95.64	96.91	98.18	100.0
8000	87.81	89.08	90.35	91.62	92.89	94.16	95.43	96.70	97.97	100.0
10000	87.87	89.14	90.41	91.68	92.95	94.22	95.49	96.76	98.03	100.0

MEASURED OASPL
CALCULATED OASPL
PNDB

OASPL: 100.0

AMBIENT TEMP. 32.00
NEW-JULY TEMP. 38.00
SEA PRESSURE 28.76
ABS. HUMIDITY 3.912

HUNEL3 HUB-146 SPEED=7780

FAA FAN/COMPRESSOR - PHASE 5B + 5C 10VS 9 DEG OPEN T/D 2/17/70

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET															
	2.2	17.2	26.0	32.0	40.2	52.7	62.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0
52	-6.37	-4.91	-3.23	-1.44	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
63	-5.97	-4.03	-2.20	-1.36	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
82	-6.39	-4.03	-2.04	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
102	-7.75	-4.36	-2.71	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
125	-1.39	-1.40	-3.09	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
162	-4.20	-2.74	-1.10	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
202	-2.03	-1.79	-1.11	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
252	-3.16	-3.45	-2.06	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
315	-3.94	-4.67	-2.02	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
402	-2.42	-2.93	-1.06	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
502	-4.49	-4.98	-1.12	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
632	-3.04	-1.81	-1.01	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
802	-2.80	-1.29	-1.78	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1002	-3.70	-1.80	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1252	-3.04	-1.80	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1602	-2.97	-1.71	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
2002	-1.59	-1.74	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
2502	-1.93	-1.89	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
3152	-3.15	-1.79	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
4002	-2.21	-1.63	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
5002	-1.19	-1.69	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
6002	-1.02	-1.42	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
7002	-1.69	-1.69	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
8002	-3.00	-1.53	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00

D105

AMBIENT TEMP. 32.00
WET-BULB TEMP. 32.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 5.912

RUN#13 RDQ#146 SPEED#7700

FAA FAN/COMPRESSOR - PHASE 5B - 5C IGVS 9 DEG OPEN T/D 2/17/70

RADIAL DISTANCE 150

DATE: 3/24/70

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ	ANGLES FROM INLET									
	7.2	10.2	22.2	30.0	40.0	50.0	60.0	70.0	80.0	90.0
50	76.17	77.62	78.74	80.51	82.81	85.94	89.29	92.33	91.44	139.2
63	78.06	79.05	80.38	81.76	83.31	85.94	88.16	89.27	88.28	139.2
80	78.32	79.06	80.11	81.54	83.31	85.94	88.16	89.27	88.28	139.2
100	78.37	78.86	80.08	81.10	82.89	85.94	88.16	89.27	88.28	139.2
125	77.46	77.51	78.05	79.64	81.14	83.31	85.94	88.16	89.27	139.2
160	74.64	76.79	79.59	82.08	85.00	88.51	91.97	93.84	93.88	139.2
200	73.87	76.62	77.48	77.86	77.73	76.18	74.08	71.35	70.76	139.2
250	74.26	75.81	75.65	74.73	73.18	70.88	68.25	65.33	63.37	139.2
315	78.57	77.61	76.21	74.93	73.17	70.88	68.25	65.33	63.37	139.2
400	80.60	81.36	83.67	85.23	87.77	90.23	92.59	94.77	96.87	139.2
500	80.17	82.78	85.37	87.99	90.23	92.59	94.77	96.87	98.97	139.2
630	76.16	78.18	82.02	85.69	89.28	92.82	96.38	99.88	103.33	139.2
800	79.88	82.35	85.28	88.09	90.89	93.68	96.48	99.28	102.08	139.2
1000	82.97	85.91	88.58	91.33	94.08	96.83	99.58	102.33	105.08	139.2
1250	87.86	89.54	91.28	93.08	94.83	96.58	98.33	100.08	101.83	139.2
1500	84.88	86.56	88.28	89.98	91.68	93.38	95.08	96.78	98.48	139.2
1800	85.59	87.64	89.38	91.08	92.78	94.48	96.18	97.88	99.58	139.2
2000	85.08	87.39	89.41	91.31	93.11	94.91	96.71	98.51	100.31	139.2
2500	83.41	85.39	87.37	89.35	91.33	93.31	95.29	97.27	99.25	139.2
3150	80.78	82.38	84.37	86.35	88.33	90.31	92.29	94.27	96.25	139.2
4000	80.78	82.38	84.37	86.35	88.33	90.31	92.29	94.27	96.25	139.2
5000	80.78	82.38	84.37	86.35	88.33	90.31	92.29	94.27	96.25	139.2
6300	80.78	82.38	84.37	86.35	88.33	90.31	92.29	94.27	96.25	139.2
8000	80.78	82.38	84.37	86.35	88.33	90.31	92.29	94.27	96.25	139.2
10000	80.78	82.38	84.37	86.35	88.33	90.31	92.29	94.27	96.25	139.2

MEASURED OASPL
CALCULATED OASPL
PNCB

QAPML1 187.4

AMBIENT TEMP 52.32
WET-BULB TEMP 50.00
BAR. PRESSURE 28.726
AIR HUMIDITY 5.912

UNITS: RUH147 SPEED 7000

FAK FAN/COMPRESSOR - PHASE 50 - 50 IGVS 6 DEG OPEN T/D 271770

DATE: 3/24/72

RADIAL DISTANCE 130

PAGE 1

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	11.2	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
54	-5.75	-5.25	-5.10	-5.10	-5.10	-5.10	-5.10	-5.10	-5.10	-5.10	-5.10	-5.10	-5.10	-5.10	-5.10	-5.10	-5.10	-5.10	-5.10	-5.10
63	-4.84	-4.29	-4.18	-4.18	-4.18	-4.18	-4.18	-4.18	-4.18	-4.18	-4.18	-4.18	-4.18	-4.18	-4.18	-4.18	-4.18	-4.18	-4.18	-4.18
80	-6.04	-5.08	-4.92	-4.92	-4.92	-4.92	-4.92	-4.92	-4.92	-4.92	-4.92	-4.92	-4.92	-4.92	-4.92	-4.92	-4.92	-4.92	-4.92	-4.92
100	-6.71	-5.82	-5.62	-5.62	-5.62	-5.62	-5.62	-5.62	-5.62	-5.62	-5.62	-5.62	-5.62	-5.62	-5.62	-5.62	-5.62	-5.62	-5.62	-5.62
125	-6.81	-5.76	-5.52	-5.52	-5.52	-5.52	-5.52	-5.52	-5.52	-5.52	-5.52	-5.52	-5.52	-5.52	-5.52	-5.52	-5.52	-5.52	-5.52	-5.52
160	-4.21	-2.85	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79
200	-2.33	-2.18	-2.18	-2.18	-2.18	-2.18	-2.18	-2.18	-2.18	-2.18	-2.18	-2.18	-2.18	-2.18	-2.18	-2.18	-2.18	-2.18	-2.18	-2.18
250	-2.52	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26	-2.26
315	-3.32	-2.90	-2.90	-2.90	-2.90	-2.90	-2.90	-2.90	-2.90	-2.90	-2.90	-2.90	-2.90	-2.90	-2.90	-2.90	-2.90	-2.90	-2.90	-2.90
400	-3.97	-3.51	-3.51	-3.51	-3.51	-3.51	-3.51	-3.51	-3.51	-3.51	-3.51	-3.51	-3.51	-3.51	-3.51	-3.51	-3.51	-3.51	-3.51	-3.51
500	-4.84	-4.38	-4.38	-4.38	-4.38	-4.38	-4.38	-4.38	-4.38	-4.38	-4.38	-4.38	-4.38	-4.38	-4.38	-4.38	-4.38	-4.38	-4.38	-4.38
630	-5.75	-5.29	-5.29	-5.29	-5.29	-5.29	-5.29	-5.29	-5.29	-5.29	-5.29	-5.29	-5.29	-5.29	-5.29	-5.29	-5.29	-5.29	-5.29	-5.29
800	-6.71	-6.04	-6.04	-6.04	-6.04	-6.04	-6.04	-6.04	-6.04	-6.04	-6.04	-6.04	-6.04	-6.04	-6.04	-6.04	-6.04	-6.04	-6.04	-6.04
1000	-7.71	-7.08	-7.08	-7.08	-7.08	-7.08	-7.08	-7.08	-7.08	-7.08	-7.08	-7.08	-7.08	-7.08	-7.08	-7.08	-7.08	-7.08	-7.08	-7.08
1250	-8.81	-8.08	-8.08	-8.08	-8.08	-8.08	-8.08	-8.08	-8.08	-8.08	-8.08	-8.08	-8.08	-8.08	-8.08	-8.08	-8.08	-8.08	-8.08	-8.08
1600	-10.04	-9.18	-9.18	-9.18	-9.18	-9.18	-9.18	-9.18	-9.18	-9.18	-9.18	-9.18	-9.18	-9.18	-9.18	-9.18	-9.18	-9.18	-9.18	-9.18
2000	-11.32	-10.36	-10.36	-10.36	-10.36	-10.36	-10.36	-10.36	-10.36	-10.36	-10.36	-10.36	-10.36	-10.36	-10.36	-10.36	-10.36	-10.36	-10.36	-10.36
2500	-12.71	-11.64	-11.64	-11.64	-11.64	-11.64	-11.64	-11.64	-11.64	-11.64	-11.64	-11.64	-11.64	-11.64	-11.64	-11.64	-11.64	-11.64	-11.64	-11.64
3150	-14.21	-13.04	-13.04	-13.04	-13.04	-13.04	-13.04	-13.04	-13.04	-13.04	-13.04	-13.04	-13.04	-13.04	-13.04	-13.04	-13.04	-13.04	-13.04	-13.04
4000	-15.84	-14.57	-14.57	-14.57	-14.57	-14.57	-14.57	-14.57	-14.57	-14.57	-14.57	-14.57	-14.57	-14.57	-14.57	-14.57	-14.57	-14.57	-14.57	-14.57
5000	-17.61	-16.24	-16.24	-16.24	-16.24	-16.24	-16.24	-16.24	-16.24	-16.24	-16.24	-16.24	-16.24	-16.24	-16.24	-16.24	-16.24	-16.24	-16.24	-16.24
6300	-19.52	-18.05	-18.05	-18.05	-18.05	-18.05	-18.05	-18.05	-18.05	-18.05	-18.05	-18.05	-18.05	-18.05	-18.05	-18.05	-18.05	-18.05	-18.05	-18.05
8000	-21.64	-20.08	-20.08	-20.08	-20.08	-20.08	-20.08	-20.08	-20.08	-20.08	-20.08	-20.08	-20.08	-20.08	-20.08	-20.08	-20.08	-20.08	-20.08	-20.08
10000	-24.04	-22.39	-22.39	-22.39	-22.39	-22.39	-22.39	-22.39	-22.39	-22.39	-22.39	-22.39	-22.39	-22.39	-22.39	-22.39	-22.39	-22.39	-22.39	-22.39

D107

AMBIENT TEMP. 32.02
MET-BULB TEMP. 30.82
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.912

RUN#13 RDG#147 SPEED#7500

FAA FAN/COMPRESSOR - PHASE 5B - DC IGVS 9 DEG OPEN T/D 2/17/78

DATE: 3/24/77

RADIAL DISTANCE 120

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET									
	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°
51	75.53	76.46	77.09	76.68	77.07	78.39	82.35	85.37	88.81	133.0
63	76.91	76.53	78.01	79.04	80.30	81.00	83.31	86.06	89.31	133.0
82	78.44	78.32	78.81	79.93	80.71	82.00	83.31	86.06	89.31	133.0
102	79.89	77.92	79.59	81.23	81.69	82.96	83.31	86.06	89.31	133.0
125	76.98	76.99	76.98	81.79	81.32	80.14	87.82	88.30	88.16	133.0
142	74.07	74.07	77.02	78.78	79.34	80.19	80.66	82.38	88.76	133.0
162	73.45	72.83	75.16	76.78	78.22	79.33	79.77	80.30	88.76	133.0
182	73.45	73.38	75.17	76.08	77.75	77.93	78.55	80.79	88.76	133.0
202	75.03	76.98	80.74	81.96	82.18	83.32	83.32	86.48	88.76	133.0
222	82.36	80.67	83.36	85.00	86.08	86.98	87.00	87.84	88.76	133.0
242	81.81	81.74	83.38	85.64	86.99	87.74	87.80	88.38	88.76	133.0
262	77.71	79.04	79.07	82.16	81.17	82.34	82.34	83.48	88.76	133.0
282	81.94	80.38	81.02	82.38	83.18	84.34	85.91	88.73	88.76	133.0
302	84.37	84.00	85.08	84.98	85.08	85.98	87.44	89.54	88.76	133.0
322	85.05	85.04	86.32	86.71	86.38	86.98	87.82	89.32	88.76	133.0
342	85.52	86.08	87.19	87.61	87.74	87.88	88.06	88.18	88.76	133.0
362	82.98	82.73	83.89	84.38	84.79	85.38	85.71	86.30	88.76	133.0
382	82.29	84.47	85.12	85.86	85.12	85.37	85.72	86.30	88.76	133.0
402	84.17	87.96	86.34	86.36	86.18	86.99	87.46	88.30	88.76	133.0
422	88.38	95.17	93.13	95.52	93.04	93.18	91.84	87.46	88.76	133.0
442	88.24	101.2	94.11	101.5	100.0	94.18	91.38	88.16	88.76	133.0
462	88.41	91.85	90.98	92.12	91.09	92.14	88.28	84.28	88.76	133.0
482	87.86	91.02	87.99	89.29	91.49	90.3	88.88	83.29	88.76	133.0
502	88.38	99.71	91.23	93.32	92.30	94.08	91.96	86.38	88.76	133.0

MEASURED QASPL
CALCULATED QASPL
PND6

QASPL1 187.1

AMBIENT TEMP. 32.00
WET-BULB TEMP. 30.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.612

RUN:13 RDG:14R SPEED:7300

FAN PAN/COMPRESSOR - PHASE 9B + 5C 13VS 9 DEG OPEN Y/D 2/17/78

RADIAL DISTANCE 150

DATE: 3/24/70

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET									
	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0
50	-1.97	-4.03	-2.50	-0.14	-1.024	-0.897	1.057	5.075	9.511	
63	-1.12	-4.40	-2.02	-1.10	-1.031	-0.504	2.270	5.033	9.201	
80	-1.22	-4.55	-2.05	-1.09	-0.803	1.239	3.441	5.124	9.406	
100	-1.34	-4.77	-2.10	-1.08	-0.612	1.771	3.204	4.972	7.708	
125	-1.51	-5.01	-2.18	-1.07	-0.421	2.449	3.024	5.108	6.971	
160	-1.73	-5.23	-2.23	-1.04	-0.234	3.202	2.888	4.903	5.409	
200	-1.93	-5.42	-2.29	-1.00	-0.048	3.933	2.827	4.619	5.117	
250	-2.10	-5.59	-2.35	-0.95	0.134	4.641	2.734	4.351	5.112	
315	-2.24	-5.74	-2.40	-0.89	0.320	5.329	2.619	4.098	5.008	
400	-2.37	-5.87	-2.45	-0.82	0.506	5.996	2.484	3.858	4.888	
500	-2.48	-5.98	-2.49	-0.75	0.692	6.644	2.339	3.637	4.744	
630	-2.58	-6.08	-2.53	-0.67	0.878	7.273	2.184	3.440	4.584	
800	-2.68	-6.18	-2.57	-0.59	1.064	7.884	2.019	3.269	4.419	
1000	-2.77	-6.27	-2.60	-0.50	1.250	8.477	1.844	3.119	4.254	
1250	-2.86	-6.36	-2.63	-0.41	1.436	9.054	1.659	2.984	4.089	
1600	-2.95	-6.45	-2.66	-0.32	1.622	9.617	1.464	2.864	3.924	
2000	-3.04	-6.54	-2.69	-0.23	1.808	10.167	1.259	2.759	3.759	
2500	-3.13	-6.63	-2.72	-0.14	1.994	10.704	1.044	2.664	3.594	
3150	-3.22	-6.72	-2.75	-0.05	2.180	11.227	0.819	2.579	3.429	
4000	-3.31	-6.81	-2.78	0.04	2.366	11.737	0.584	2.504	3.264	
5000	-3.40	-6.90	-2.81	0.13	2.552	12.234	0.339	2.439	3.099	
6300	-3.49	-6.99	-2.84	0.22	2.738	12.717	0.084	2.384	2.934	
8000	-3.58	-7.08	-2.87	0.31	2.924	13.187	-0.171	2.339	2.769	
10000	-3.67	-7.17	-2.90	0.40	3.110	13.644	-0.416	2.304	2.604	

D109

AMBIENT TEMP 32.00
WET-BULB TEMP 30.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 5.912

RUN#13 RDG#14# SPE#047300

FAA FAN/COMPRESSOR - PHASE 5B + DC IGVS 9 DEG OPEN T/D 2/17/70

RADIAL DISTANCE 150

PAGE: 1

DATE: 3/24/78

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	2,2	10,0	20,2	30,0	40,0	50,2	60,0	70,0	80,0	90,0	100,0	110,0	120,0	130,0	140,0	150,0	160,0	170,0	(PUL)
FREQ.																			
50	74,74	79,07	79,07	79,07	79,07	79,07	79,07	79,07	79,07	79,07	79,07	79,07	79,07	79,07	79,07	79,07	79,07	79,07	135,2
63	76,77	79,09	79,09	79,09	79,09	79,09	79,09	79,09	79,09	79,09	79,09	79,09	79,09	79,09	79,09	79,09	79,09	79,09	138,9
80	74,27	75,74	75,74	75,74	75,74	75,74	75,74	75,74	75,74	75,74	75,74	75,74	75,74	75,74	75,74	75,74	75,74	75,74	132,0
100	75,27	76,99	76,99	76,99	76,99	76,99	76,99	76,99	76,99	76,99	76,99	76,99	76,99	76,99	76,99	76,99	76,99	76,99	133,0
125	77,46	79,14	79,14	79,14	79,14	79,14	79,14	79,14	79,14	79,14	79,14	79,14	79,14	79,14	79,14	79,14	79,14	79,14	134,2
150	73,66	75,11	75,11	75,11	75,11	75,11	75,11	75,11	75,11	75,11	75,11	75,11	75,11	75,11	75,11	75,11	75,11	75,11	130,2
180	72,79	74,03	74,03	74,03	74,03	74,03	74,03	74,03	74,03	74,03	74,03	74,03	74,03	74,03	74,03	74,03	74,03	74,03	127,9
200	72,67	73,29	73,29	73,29	73,29	73,29	73,29	73,29	73,29	73,29	73,29	73,29	73,29	73,29	73,29	73,29	73,29	73,29	127,9
250	70,00	70,02	70,02	70,02	70,02	70,02	70,02	70,02	70,02	70,02	70,02	70,02	70,02	70,02	70,02	70,02	70,02	70,02	128,0
315	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	128,0
400	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	128,0
500	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	128,0
630	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	128,0
800	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	128,0
1000	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	128,0
1250	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	128,0
1500	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	128,0
1800	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	128,0
2000	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	128,0
2500	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	128,0
3150	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	128,0
4000	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	128,0
5000	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	128,0
6300	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	128,0
8000	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	128,0
10000	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	68,51	128,0
MEASURED GASPL	103,3	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8
CALCULATED GASPL	103,3	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8
PNDS	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8	100,8

CAP-L1 137,2

AMBIENT TEMP 31,00
MET-BUILD TEMP 29,00
BAR. PRESSURE 28,76
ABS. HUMIDITY 3,741

RUN#13 RDG#149 SP#50#7100

FAA FAN/COMPRESSOR - PHASE 5B - 5C IGVS 9 DEG OPEN T/D 2/17/78

DATE: 3/24/72

RADIAL DISTANCE 1.0

PAGE 1

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ Hz	ANGLES FROM INLET										
	7.0	15.0	20.0	35.0	40.0	52.0	67.0	70.0	80.0	90.0	100.0
50	-4.10	-3.25	-2.14	-1.472	-1.102	-1.002	-1.002	-1.002	-1.002	-1.002	-1.002
63	-2.04	-3.72	-2.13	-1.323	-1.306	-1.033	-1.033	-1.033	-1.033	-1.033	-1.033
80	-5.15	-3.61	-3.25	-4.12	-1.110	-1.103	-1.103	-1.103	-1.103	-1.103	-1.103
100	-4.03	-3.10	-1.30	-3.022	-1.030	-1.030	-1.030	-1.030	-1.030	-1.030	-1.030
125	-3.24	-4.50	-1.926	-1.053	-1.053	-1.053	-1.053	-1.053	-1.053	-1.053	-1.053
160	-2.03	-1.00	-1.007	-1.011	-1.008	-1.008	-1.008	-1.008	-1.008	-1.008	-1.008
200	-1.32	-1.38	-1.38	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34
250	-1.34	-1.03	-2.47	-1.12	-1.07	-1.07	-1.07	-1.07	-1.07	-1.07	-1.07
315	-1.00	-1.06	-1.06	-1.112	-1.073	-1.073	-1.073	-1.073	-1.073	-1.073	-1.073
400	-2.25	-1.31	-1.061	-1.097	-1.042	-1.042	-1.042	-1.042	-1.042	-1.042	-1.042
500	-1.61	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
630	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
800	-2.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1000	-2.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1250	-2.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1600	-2.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
2000	-2.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
2500	-2.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
3150	-2.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
4000	-2.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
5000	-2.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
6300	-2.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
8000	-2.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
10000	-2.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00

D112

AVG. Y. TEMP. 51.00
WET-BULB TEMP. 54.00
BAR. PRESSURE 28.76
REL. HUMIDITY 51.61

RU-13 MUD-149 9P60-7100

FAA PAN/COMPRESSOR - PHASE DB + 9C IGUS 9 DB0 DBEN T/D 2/17/72

RADIAL DISTANCE 150

PAGE 1

DATE: 5/03/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ	ANGLE FROM INLET									
	0	10	20	30	40	50	60	70	80	90
50	73.47	75.71	77.24	78.28	78.91	79.31	79.51	79.51	79.31	78.91
63	74.58	76.98	77.30	78.09	78.91	79.31	79.51	79.51	79.31	78.91
80	74.47	76.26	77.08	78.20	78.91	79.31	79.51	79.51	79.31	78.91
100	74.51	76.16	77.03	78.31	78.91	79.31	79.51	79.51	79.31	78.91
125	75.31	76.84	77.78	78.71	79.21	79.51	79.51	79.51	79.31	78.91
160	72.06	73.92	75.08	76.21	77.08	77.68	78.08	78.31	78.51	78.71
200	72.49	73.88	75.13	76.28	77.08	77.68	78.08	78.31	78.51	78.71
250	72.05	73.55	74.71	75.71	76.51	77.13	77.68	78.08	78.31	78.51
315	77.16	78.83	80.24	81.54	82.54	83.31	83.71	83.71	83.51	83.31
400	79.83	81.48	82.83	84.08	85.08	85.83	86.31	86.51	86.51	86.31
500	82.34	83.98	85.33	86.58	87.58	88.33	88.83	89.08	89.08	88.83
630	79.97	81.34	82.58	83.71	84.58	85.33	85.83	86.31	86.51	86.51
800	83.13	84.58	85.83	86.83	87.58	88.33	88.83	89.08	89.08	88.83
1000	85.49	86.83	87.98	88.83	89.58	90.33	90.83	91.08	91.08	90.83
1250	87.32	88.63	89.78	90.58	91.33	91.83	92.33	92.58	92.58	92.33
1600	89.58	90.83	91.98	92.78	93.53	94.08	94.58	94.83	94.83	94.58
2000	91.33	92.58	93.71	94.58	95.33	95.83	96.33	96.58	96.58	96.33
2500	94.57	95.83	96.98	97.78	98.53	99.08	99.58	99.83	99.83	99.58
3150	96.83	98.08	99.23	100.08	100.83	101.33	101.83	102.08	102.08	101.83
4000	99.08	100.33	101.48	102.28	103.03	103.53	104.03	104.28	104.28	104.03
5000	101.33	102.58	103.71	104.58	105.33	105.83	106.33	106.58	106.58	106.33
6300	103.53	104.78	105.83	106.68	107.43	107.93	108.43	108.68	108.68	108.43
8000	105.83	107.08	108.23	109.08	109.83	110.33	110.83	111.08	111.08	110.83
10000	108.08	109.33	110.48	111.28	112.03	112.53	113.03	113.28	113.28	113.03

MEASURED OASPL
CALCULATED OASPL
P400

OASPL 150.2

AMBIENT TEMP 31.00
EXHAUST TEMP 29.00
BAR PRESSURE 20.76
ABS HUMIDITY 3.741

FAN FAN/COMPRESSOR - PHASE 5B - 5C 10VS 9 DEG OPEN T/D 2/17/70

RUN-13 800-157 SPEED-6930

DATE: 3/8/77

RADIAL DISTANCE 150

PAGE 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET										
	2.0	10.2	20.2	32.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
1000	-1.39	-2.10	-2.11	-2.11	-2.11	-2.11	-2.11	-2.11	-2.11	-2.11	-2.11
1200	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
1400	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
1600	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
1800	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
2000	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
2200	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
2400	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
2600	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
2800	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
3000	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
3200	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
3400	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
3600	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
3800	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
4000	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
4200	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
4400	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
4600	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
4800	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
5000	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
5200	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
5400	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
5600	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
5800	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
6000	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
6200	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
6400	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
6600	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
6800	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
7000	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
7200	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
7400	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
7600	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
7800	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
8000	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
8200	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
8400	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
8600	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
8800	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
9000	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
9200	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
9400	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
9600	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
9800	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16
10000	-1.51	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16	-2.16

D113

AMBIENT TEMP. 31.00
WET-BULB TEMP. 29.00
BAR. PRESSURE 28.76
A.S. HUMIDITY 3.741

FAA FAN/COMPRESSOR - PHASE 58 + 50 10VS 9 DEG OPEN T/D 2/17/78

RUN=13 RDG=157 SPEED=6922

RADIAL DISTANCE 150

DATE: 3/04/72

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET									
	2.2	12.2	22.2	32.2	40.8	52.2	62.2	70.2	82.2	90.2
50	72.72	72.04	74.53	76.41	76.89	77.10	77.10	78.09	80.84	84.74
63	73.91	72.94	74.92	76.10	77.02	77.62	78.02	78.93	81.24	84.68
80	75.03	72.62	74.92	76.16	77.81	79.11	79.11	80.77	83.39	87.40
100	76.16	70.46	76.19	78.03	78.30	80.09	80.81	82.12	84.15	87.90
125	77.03	70.84	76.29	77.86	77.38	79.05	80.18	81.88	83.40	87.22
150	77.47	71.23	74.25	75.19	75.43	76.49	76.86	78.06	79.42	82.40
180	69.29	68.25	70.99	72.08	72.63	74.03	75.16	75.26	75.98	77.90
200	67.78	66.78	68.66	70.89	70.97	72.29	73.19	73.64	74.12	75.90
250	70.22	70.99	72.39	76.81	77.31	78.31	80.49	81.64	82.25	83.82
315	70.35	77.06	70.98	80.18	81.21	82.19	82.84	82.73	83.63	84.90
400	70.59	77.15	80.00	81.39	82.20	83.21	83.32	82.53	83.29	84.62
500	76.58	77.72	78.54	78.93	79.67	80.62	81.79	79.94	79.62	81.53
630	83.13	78.08	78.31	80.86	81.49	82.81	81.22	80.43	78.20	80.00
800	85.53	83.71	83.66	83.87	83.76	84.11	84.13	83.21	82.63	83.00
1000	86.08	86.33	86.22	86.43	86.46	86.32	86.27	85.27	84.10	84.70
1250	87.21	86.56	87.12	87.98	87.42	87.29	86.22	84.37	84.43	84.91
1500	87.21	86.49	86.97	87.09	87.23	87.07	86.14	83.28	82.48	83.00
2000	88.73	82.86	83.34	87.35	86.75	87.97	86.86	81.91	81.58	82.40
2500	88.94	87.12	86.38	87.30	86.10	86.64	86.73	82.76	82.51	83.00
3150	90.23	87.80	87.31	86.71	86.26	87.00	86.13	80.83	80.82	81.10
4000	89.92	88.86	91.42	92.47	91.86	91.13	92.39	86.87	85.25	85.60
5000	87.87	89.81	90.52	92.74	91.42	91.31	90.84	83.28	84.51	84.80
6300	90.28	92.32	89.77	98.41	93.92	92.67	91.58	83.48	87.16	87.30
8000	85.73	90.26	87.37	88.27	89.21	88.93	89.81	83.78	83.67	84.10
10000	101.6	102.5	103.1	103.0	102.9	102.0	103.5	90.37	99.09	99.00
MEASURED CASPL	102.5	101.4	100.0	101.7	101.6	100.7	102.3	97.12	97.09	97.00
CALCULATED CASPL	135.7	135.7	135.4	136.7	136.3	135.9	137.8	131.9	132.2	132.2

GAPHLI 134.9

A-BIENT TEMP 31.00
MET-BULB TEMP 20.00
BAR PRESSURE 20.76
ABS HUMIDITY 3.741

RUN#13 RDG#151 SPEED#6600

FAA FAN/COMPRESSOR - PHASE 9B * 5C IGVS 9 DEG OPEN T/D 2/17/72

D114

DATE: 3/24/70

RADIAL DISTANCE 120

PAGE 1 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET										
	0.0	12.0	22.0	32.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
50	-3.53	-3.41	-2.72	-3.92	-3.41	-2.49	-2.49	-2.49	-2.49	-2.49	-2.49
63	-2.40	-2.40	-2.40	-2.40	-2.40	-2.40	-2.40	-2.40	-2.40	-2.40	-2.40
80	-4.94	-4.94	-4.94	-4.94	-4.94	-4.94	-4.94	-4.94	-4.94	-4.94	-4.94
100	-3.95	-3.95	-3.95	-3.95	-3.95	-3.95	-3.95	-3.95	-3.95	-3.95	-3.95
125	-4.56	-4.56	-4.56	-4.56	-4.56	-4.56	-4.56	-4.56	-4.56	-4.56	-4.56
160	-3.10	-3.10	-3.10	-3.10	-3.10	-3.10	-3.10	-3.10	-3.10	-3.10	-3.10
200	-1.89	-1.89	-1.89	-1.89	-1.89	-1.89	-1.89	-1.89	-1.89	-1.89	-1.89
250	-1.74	-1.74	-1.74	-1.74	-1.74	-1.74	-1.74	-1.74	-1.74	-1.74	-1.74
315	-1.79	-1.79	-1.79	-1.79	-1.79	-1.79	-1.79	-1.79	-1.79	-1.79	-1.79
400	-2.19	-2.19	-2.19	-2.19	-2.19	-2.19	-2.19	-2.19	-2.19	-2.19	-2.19
500	-2.74	-2.74	-2.74	-2.74	-2.74	-2.74	-2.74	-2.74	-2.74	-2.74	-2.74
630	-1.940	-1.940	-1.940	-1.940	-1.940	-1.940	-1.940	-1.940	-1.940	-1.940	-1.940
800	-1.310	-1.310	-1.310	-1.310	-1.310	-1.310	-1.310	-1.310	-1.310	-1.310	-1.310
1000	-1.270	-1.270	-1.270	-1.270	-1.270	-1.270	-1.270	-1.270	-1.270	-1.270	-1.270
1250	-1.160	-1.160	-1.160	-1.160	-1.160	-1.160	-1.160	-1.160	-1.160	-1.160	-1.160
1600	-1.154	-1.154	-1.154	-1.154	-1.154	-1.154	-1.154	-1.154	-1.154	-1.154	-1.154
2000	-1.117	-1.117	-1.117	-1.117	-1.117	-1.117	-1.117	-1.117	-1.117	-1.117	-1.117
2500	-1.095	-1.095	-1.095	-1.095	-1.095	-1.095	-1.095	-1.095	-1.095	-1.095	-1.095
3150	-1.161	-1.161	-1.161	-1.161	-1.161	-1.161	-1.161	-1.161	-1.161	-1.161	-1.161
4000	-1.159	-1.159	-1.159	-1.159	-1.159	-1.159	-1.159	-1.159	-1.159	-1.159	-1.159
5000	-1.154	-1.154	-1.154	-1.154	-1.154	-1.154	-1.154	-1.154	-1.154	-1.154	-1.154
6300	-1.181	-1.181	-1.181	-1.181	-1.181	-1.181	-1.181	-1.181	-1.181	-1.181	-1.181
10000	-1.181	-1.181	-1.181	-1.181	-1.181	-1.181	-1.181	-1.181	-1.181	-1.181	-1.181

D115

AMBIENT TEMP 31.00
WET-BULB TEMP 29.00
BAR. PRESSURE 28.72
ABS. HUMIDITY 3.741

RUN-13 RD0151 SPEED-0600

FAA FAN/COMPRESSOR - PHASE 5B + 5C IQVS 9 DEG OPEN T/D 2/17/70

DATE: 3/04/70

PAGE: 1

RADIAL DISTANCE 15W

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	2.0	12.0	2.0	30.0	45.0	58.0	68.0	78.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
50					73.14	72.99	73.87	75.37	76.06	76.73	78.03	78.53	80.33	80.34							
63					73.01	72.90	74.49	75.81	76.32	77.20	78.09	80.64	83.49								
80					70.76	72.20	74.29	75.01	75.51	77.53	78.02	80.15	83.14								
100					74.25	77.1	75.05	78.50	78.70	81.66	82.27	82.53	83.56								
125					71.49	73.1	74.82	76.25	76.62	78.48	79.67	79.91	81.93								
160					68.89	70.00	73.94	74.05	75.17	76.01	76.84	77.53	79.59								
200					68.84	67.91	73.30	71.08	72.83	72.91	74.08	74.63	77.71								
250					69.125	67.85	67.62	69.45	69.71	70.63	70.96	76.21	78.51								
315					70.15	74.27	74.24	76.16	76.14	78.21	78.32	80.06	80.43								
400					70.58	77.87	78.19	79.38	79.78	81.11	81.79	82.93	84.63								
500					70.66	78.20	79.52	80.35	81.80	83.46	84.82	87.38	89.61								
630					72.42	76.49	78.11	78.14	78.97	80.15	81.08	82.77	85.01								
800					82.72	78.44	77.07	78.16	80.37	81.22	83.05	85.77	88.04								
1000					84.97	83.14	82.92	83.42	83.50	84.21	86.39	88.27	90.04								
1250					86.46	85.56	83.92	84.59	85.05	85.87	88.49	90.02	92.08								
1600					87.82	89.07	86.88	87.36	87.33	88.08	90.49	94.50	98.92								
2000					85.98	86.48	85.37	87.46	86.91	87.32	87.93	88.78	91.13								
2500					84.75	84.85	85.82	87.19	86.49	87.54	87.70	88.73	91.33								
3150					86.89	87.10	88.01	88.68	87.77	88.49	88.77	92.07	95.41								
4000					90.10	90.36	90.34	90.84	90.33	91.20	90.37	93.06	95.27								
5000					88.19	88.19	90.39	91.08	91.28	90.45	91.33	93.50	95.71								
6300					87.82	89.54	90.54	93.29	90.10	90.72	89.72	93.28	95.43								
8000					97.05	92.10	87.49	90.54	92.70	91.35	92.84	95.37	97.22								
10000					89.41	89.93	86.11	87.21	88.51	89.06	88.85	93.59	95.85								

MEASURED OASPL
CALCULATED OASPL
PNDB

QAPHL1 126.4

AMBIENT TEMP 31.00
WET-BULB TEMP 29.30
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.741

RUN#13 RUG#152 SPEED#6450

FAN FAN/COMPRESSOR - PHASE 50 - 5C 16VS 9 DEG OPEN T/D 2/17/70

DATE: 3/24/70

RADIAL DISTANCE 150

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET									
	2.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0
50	-2.71	-2.07	-1.98	-1.467	-1.2314	-1.2314	-1.2314	-1.2314	-1.2314	-1.2314
63	-2.82	-3.24	-1.43	-1.119	-1.0951	-1.0951	-1.0951	-1.0951	-1.0951	-1.0951
80	-4.78	-3.33	-1.24	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248	-1.248
100	-3.85	-1.75	-2.15	-1.327	-1.327	-1.327	-1.327	-1.327	-1.327	-1.327
125	-4.14	-2.08	-1.824	-1.118	-1.118	-1.118	-1.118	-1.118	-1.118	-1.118
150	-3.26	-2.17	-1.911	-1.287	-1.287	-1.287	-1.287	-1.287	-1.287	-1.287
200	-2.18	-2.31	-1.558	-1.243	-1.243	-1.243	-1.243	-1.243	-1.243	-1.243
250	-1.827	-1.982	-1.18	-1.468	-1.468	-1.468	-1.468	-1.468	-1.468	-1.468
315	-1.758	-1.89	-1.12	-1.817	-1.817	-1.817	-1.817	-1.817	-1.817	-1.817
400	-1.386	-1.13	-1.083	-1.979	-1.979	-1.979	-1.979	-1.979	-1.979	-1.979
500	-1.389	-1.096	-1.378	-1.481	-1.481	-1.481	-1.481	-1.481	-1.481	-1.481
630	-1.271	-1.093	-1.139	-1.405	-1.405	-1.405	-1.405	-1.405	-1.405	-1.405
800	-1.341	-1.042	-1.315	-1.279	-1.279	-1.279	-1.279	-1.279	-1.279	-1.279
1000	-2.672	-1.842	-1.146	-1.323	-1.323	-1.323	-1.323	-1.323	-1.323	-1.323
1250	-3.880	-2.377	-1.738	-1.112	-1.112	-1.112	-1.112	-1.112	-1.112	-1.112
1600	-1.081	-1.969	-1.438	-1.091	-1.091	-1.091	-1.091	-1.091	-1.091	-1.091
2000	-1.375	-1.375	-1.328	-2.14	-2.14	-2.14	-2.14	-2.14	-2.14	-2.14
2500	-2.132	-1.917	-1.981	-2.071	-2.071	-2.071	-2.071	-2.071	-2.071	-2.071
3150	-2.889	-1.997	-1.829	-1.869	-1.869	-1.869	-1.869	-1.869	-1.869	-1.869
4000	-1.775	-1.982	-3.932	-1.434	-1.434	-1.434	-1.434	-1.434	-1.434	-1.434
5000	-1.683	-1.789	-2.135	-1.374	-1.374	-1.374	-1.374	-1.374	-1.374	-1.374
6300	-1.955	-1.776	-1.783	-1.312	-1.312	-1.312	-1.312	-1.312	-1.312	-1.312
8000	-1.611	-3.345	-1.34	-1.099	-1.099	-1.099	-1.099	-1.099	-1.099	-1.099
10000	-1.582	-4.825	-1.991	-1.383	-1.383	-1.383	-1.383	-1.383	-1.383	-1.383

D117

AMBIENT TEMP 31.00
WET-BULB TEMP 29.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.741

RUN#13 R06#152 SP550#0480

FAA FAN/COMPRESSOR - PHASE 50 + 5C IGVS 9 DEG OPEN T/D 2/17/70

RADIAL DISTANCE 150

PAGE 1 1

DATE: 3/24/77

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET									
	2.2	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0
50	72.83	72.45	73.28	74.20	74.79	75.48	76.95	78.09	82.33	187.0
63	71.28	71.77	72.92	74.15	74.61	75.78	76.00	76.94	82.94	187.3
80	69.70	71.86	72.55	73.80	74.51	75.49	76.03	76.42	81.37	187.2
100	71.20	75.36	74.72	76.07	77.30	78.38	79.38	79.86	81.44	189.3
125	68.94	73.87	73.98	75.78	76.81	77.16	77.15	77.08	77.74	187.3
160	67.15	68.79	72.51	73.97	75.74	76.66	77.48	78.08	78.82	188.4
200	67.11	68.19	66.29	71.17	71.21	72.91	72.62	73.08	73.18	183.9
250	67.56	67.37	66.10	67.79	68.58	68.53	70.35	72.73	72.76	188.9
315	74.05	72.01	73.83	74.32	75.32	75.59	76.10	76.71	77.14	187.3
400	77.50	75.06	76.47	77.34	78.28	79.37	79.92	79.91	79.92	181.2
500	77.20	76.73	77.68	79.08	79.78	80.08	81.48	81.22	80.83	181.6
630	76.12	76.04	76.00	76.74	77.61	78.19	78.37	78.63	77.70	180.9
800	82.46	78.95	77.71	78.33	79.40	80.22	79.70	79.13	77.33	181.7
1000	84.57	82.27	82.05	82.34	82.72	83.68	83.76	82.88	81.76	180.0
1250	84.28	83.68	84.87	84.83	85.68	86.87	86.80	82.78	81.68	187.3
1600	84.53	84.13	86.93	86.93	86.69	88.13	88.38	81.08	82.76	189.4
2000	85.72	86.46	88.70	87.32	88.47	89.74	89.78	82.04	81.59	180.4
2500	86.43	89.35	89.93	88.78	88.20	87.12	87.08	80.89	80.35	180.0
3150	88.34	87.31	88.48	86.12	85.36	84.78	80.37	82.89	84.58	181.1
4000	87.77	87.94	85.40	83.81	83.04	82.58	83.97	86.86	90.06	148.6
5000	87.39	87.72	86.49	84.55	83.74	83.59	81.32	84.32	83.42	148.1
6300	87.24	86.45	86.39	84.89	83.72	82.48	80.87	82.82	83.04	148.0
8000	88.66	91.37	86.89	87.53	86.99	83.42	80.00	81.97	80.84	145.7
10000	87.38	89.30	84.99	85.45	87.95	87.42	88.13	82.21	83.85	148.6

MEASURED OASPL
CALCULATED OASPL
PRDB

OASPL: 193.3

AMBIENT TEMP. 31.00
WET-BULB TEMP. 29.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.741

RUN-13 RDG-153 SPEED-6200

FAA FAN/COMPRESSOR - PHASE 5B + 5C IQVS 9 DEG OPEN T/D 2/17/79

RADIAL DISTANCE 150

DATE: 3/24/73

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET									
	7.2	12.2	22.2	30.0	40.0	52.2	65.0	70.0	85.0	90.0
54	-1.14	-1.35	-1.50	-1.65	-1.80	-1.95	-2.10	-2.25	-2.40	-2.55
63	-1.25	-1.41	-1.59	-1.74	-1.89	-2.04	-2.19	-2.34	-2.49	-2.64
81	-1.22	-1.41	-1.62	-1.81	-1.99	-2.17	-2.35	-2.53	-2.71	-2.89
102	-1.22	-1.42	-1.67	-1.91	-2.14	-2.36	-2.58	-2.80	-3.02	-3.24
125	-1.19	-1.41	-1.68	-1.94	-2.19	-2.43	-2.66	-2.89	-3.12	-3.35
162	-1.27	-1.50	-1.79	-2.08	-2.36	-2.63	-2.90	-3.17	-3.44	-3.71
207	-1.39	-1.64	-1.97	-2.29	-2.60	-2.90	-3.19	-3.48	-3.77	-4.06
253	-1.59	-1.88	-2.25	-2.61	-2.96	-3.30	-3.63	-3.96	-4.29	-4.62
315	-1.88	-2.21	-2.62	-3.01	-3.39	-3.75	-4.10	-4.44	-4.78	-5.12
402	-2.33	-2.71	-3.16	-3.59	-4.00	-4.39	-4.76	-5.12	-5.48	-5.84
500	-2.88	-3.31	-3.80	-4.27	-4.72	-5.15	-5.56	-5.96	-6.36	-6.76
612	-3.52	-4.01	-4.54	-5.04	-5.51	-5.96	-6.39	-6.81	-7.23	-7.65
731	-4.24	-4.78	-5.35	-5.88	-6.38	-6.85	-7.29	-7.71	-8.13	-8.55
857	-5.04	-5.63	-6.24	-6.81	-7.35	-7.86	-8.35	-8.82	-9.29	-9.76
1000	-5.92	-6.56	-7.22	-7.84	-8.43	-8.99	-9.53	-10.06	-10.59	-11.12

D119

AMBIENT TEMP 31.22
WET-BULB TEMP 29.22
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.741

RLA-13 R08-153 SPARE06200
FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

DATE: 3/04/72

PAGE: 1

RADIAL DISTANCE 150

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET									
	7.0	12.2	20.0	30.2	40.0	52.2	62.2	70.2	80.0	90.0
50	71.07	71.50	72.08	73.92	75.04	76.07	78.99	77.72	81.14	120.9
63	70.76	71.19	72.72	73.71	74.42	76.75	75.47	77.01	80.01	120.0
82	68.93	70.61	72.13	73.26	74.47	76.93	75.97	77.41	80.85	120.4
100	71.25	73.52	73.65	75.25	76.34	77.16	79.54	78.51	80.40	120.0
125	69.04	70.44	72.47	73.98	74.64	76.00	76.00	76.00	76.77	120.3
150	68.84	68.96	72.72	72.48	72.71	73.80	73.80	73.80	74.58	120.2
200	70.22	70.59	69.94	69.09	70.75	72.00	71.84	72.00	72.82	120.0
250	65.08	65.43	65.17	66.78	66.08	67.46	68.23	70.10	71.12	119.4
315	73.09	72.00	72.50	73.43	73.21	74.69	75.17	76.81	78.07	120.0
400	72.10	72.21	75.73	77.24	77.18	78.48	78.18	78.18	78.18	120.0
500	70.32	70.82	72.08	70.46	71.30	72.88	70.47	70.30	70.30	120.4
630	74.77	74.65	75.24	75.54	76.07	77.49	76.47	76.17	77.25	120.0
800	81.26	77.55	76.09	77.08	76.20	78.20	78.74	77.48	76.00	120.7
1000	83.24	82.24	82.02	82.45	82.98	83.24	83.18	82.00	80.39	120.3
1250	80.49	80.87	82.88	83.91	84.28	85.00	85.00	85.00	85.00	120.0
1500	80.36	80.49	82.33	80.75	80.21	82.46	80.30	83.00	82.42	120.0
2000	80.59	80.89	80.13	82.12	80.20	82.96	80.35	82.39	81.84	120.0
2500	82.96	84.09	83.27	86.44	83.11	85.37	86.46	79.39	80.12	120.0
3150	82.94	86.59	85.08	86.17	84.00	85.24	87.36	81.08	80.39	120.4
4000	84.10	83.49	82.49	83.96	82.00	83.71	84.24	83.00	82.39	120.4
5000	80.74	80.33	80.49	80.98	83.84	82.83	80.87	83.30	82.98	120.0
6300	80.68	80.49	80.36	80.96	80.95	80.96	80.44	81.34	82.00	120.1
8000	80.07	80.06	87.21	80.27	81.08	81.24	80.00	82.70	80.01	120.2
10000	82.48	80.02	84.32	85.48	80.00	80.30	87.00	81.01	81.01	120.3
MEASURED OASPL	100.0	100.1	99.29	100.7	100.3	101.9	101.1	96.70	90.93	
CALCULATED OASPL	90.40	90.87	90.18	99.32	90.01	100.7	99.77	94.93	90.92	
PWDB	133.9	133.6	119.9	114.2	111.1	119.7	114.8	109.8	110.4	

OASPL1 120.9

AMBIENT TEMP 31.00
 REF. TEMP 29.00
 BAR. PRESSURE 28.76
 ABS. HUMIDITY 3.741

RUN#13 RDG#154 SPEED#0000

FAA FAN/COMPRESSOR - PHASE 5B + 5C IQVS 9 DEG OPEN T/D 2/17/70

DATE: 3/24/70

RADIAL DISTANCE 150

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET										
	0.0	17.0	25.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
50	-1.91	-2.38	-2.38	-2.38	-2.38	-2.38	-2.38	-2.38	-2.38	-2.38	-2.38
63	-2.52	-2.52	-2.52	-2.52	-2.52	-2.52	-2.52	-2.52	-2.52	-2.52	-2.52
80	-3.01	-3.01	-3.01	-3.01	-3.01	-3.01	-3.01	-3.01	-3.01	-3.01	-3.01
100	-3.69	-3.69	-3.69	-3.69	-3.69	-3.69	-3.69	-3.69	-3.69	-3.69	-3.69
125	-3.69	-3.69	-3.69	-3.69	-3.69	-3.69	-3.69	-3.69	-3.69	-3.69	-3.69
160	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72	-2.72
200	1.148	1.148	1.148	1.148	1.148	1.148	1.148	1.148	1.148	1.148	1.148
250	0.222	0.222	0.222	0.222	0.222	0.222	0.222	0.222	0.222	0.222	0.222
315	0.504	0.504	0.504	0.504	0.504	0.504	0.504	0.504	0.504	0.504	0.504
400	1.289	1.289	1.289	1.289	1.289	1.289	1.289	1.289	1.289	1.289	1.289
500	-1.430	-1.430	-1.430	-1.430	-1.430	-1.430	-1.430	-1.430	-1.430	-1.430	-1.430
630	-1.278	-1.278	-1.278	-1.278	-1.278	-1.278	-1.278	-1.278	-1.278	-1.278	-1.278
800	4.613	4.613	4.613	4.613	4.613	4.613	4.613	4.613	4.613	4.613	4.613
1000	2.670	2.670	2.670	2.670	2.670	2.670	2.670	2.670	2.670	2.670	2.670
1250	3.227	3.227	3.227	3.227	3.227	3.227	3.227	3.227	3.227	3.227	3.227
1600	2.009	2.009	2.009	2.009	2.009	2.009	2.009	2.009	2.009	2.009	2.009
2000	1.386	1.386	1.386	1.386	1.386	1.386	1.386	1.386	1.386	1.386	1.386
2500	2.826	2.826	2.826	2.826	2.826	2.826	2.826	2.826	2.826	2.826	2.826
3150	2.869	2.869	2.869	2.869	2.869	2.869	2.869	2.869	2.869	2.869	2.869
4000	3.117	3.117	3.117	3.117	3.117	3.117	3.117	3.117	3.117	3.117	3.117
5000	-3.442	-3.442	-3.442	-3.442	-3.442	-3.442	-3.442	-3.442	-3.442	-3.442	-3.442
6300	-3.279	-3.279	-3.279	-3.279	-3.279	-3.279	-3.279	-3.279	-3.279	-3.279	-3.279
8000	1.713	1.713	1.713	1.713	1.713	1.713	1.713	1.713	1.713	1.713	1.713
10000	-1.822	-1.822	-1.822	-1.822	-1.822	-1.822	-1.822	-1.822	-1.822	-1.822	-1.822

D121

AMBIENT TEMP. 31.00
WET-BULB TEMP. 29.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.741

RUN=13 ADD=154 SPEED=6000

FAA FAN/COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG OPEN T/D 2/17/70

RADIAL DISTANCE 198

DATE: 5/03/72

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET									
	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0
50	70.58	70.79	72.24	73.04	73.54	73.56	74.79	77.08	81.13	100.9
63	69.72	69.65	71.49	71.99	72.52	73.03	74.18	76.93	79.37	100.4
80	67.92	69.45	71.30	72.45	73.02	73.77	74.61	76.33	78.47	100.1
100	69.12	72.06	72.88	73.59	74.28	74.93	75.73	77.16	78.77	100.4
125	67.35	69.29	70.99	72.09	72.59	73.18	74.11	75.08	77.18	100.8
160	67.31	69.33	71.19	72.55	73.61	74.31	75.11	76.16	78.42	100.2
200	67.97	67.18	68.44	71.99	68.71	71.02	70.05	71.34	70.59	100.6
250	65.79	64.88	65.12	66.34	66.96	67.46	68.74	71.37	71.55	100.9
315	72.63	69.49	70.77	72.07	72.88	73.74	74.49	76.04	78.17	100.2
400	75.73	72.86	74.27	75.33	76.10	77.06	77.81	79.04	81.78	100.8
500	73.48	72.01	73.96	77.33	77.30	78.67	78.99	79.64	81.83	100.4
630	74.14	73.84	74.34	74.32	75.49	76.58	77.34	78.02	79.88	100.4
800	80.79	76.39	75.08	76.67	77.95	78.68	79.49	78.22	79.82	100.1
1000	83.53	81.48	80.99	81.34	81.38	82.84	83.92	81.58	80.08	100.8
1250	85.05	82.61	82.48	82.41	82.27	82.24	82.02	82.18	81.08	100.2
1600	86.19	84.45	83.28	85.44	83.86	83.48	83.83	82.34	81.61	100.9
2000	86.15	84.72	85.26	85.72	84.88	85.01	87.37	81.08	80.33	100.6
2500	89.38	85.16	84.81	86.97	84.88	85.34	85.38	78.78	78.84	100.9
3150	88.79	86.62	84.67	85.36	86.18	86.14	88.48	82.09	84.48	100.1
4000	92.98	92.95	89.17	89.89	90.42	90.72	93.89	86.93	86.73	100.3
5000	86.14	87.44	87.88	89.96	89.56	88.16	89.19	83.89	82.39	100.7
6300	86.76	86.43	87.38	89.88	87.42	87.78	87.88	80.08	82.89	100.6
8000	88.94	88.24	84.09	86.48	89.67	89.74	88.78	82.39	85.32	100.1
10000	89.59	88.39	83.88	86.34	89.88	89.43	86.43	82.34	81.78	100.1
MEASURED GASP	99.63	98.87	97.78	96.08	100.16	100.9	100.4	99.34	90.39	
CALCULATED GASP	98.20	97.71	96.30	97.42	99.43	100.6	99.82	94.04	94.89	
PNDB	113.2	118.3	110.7	111.6	114.8	113.9	116.1	108.7	100.8	

GAPHL1 100.0

AMBIENT TEMP 31.00
WET-BULB TEMP 20.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.741

FAA FAV/COMPRESSOR - PHASE 50 - 5C IQVS 9 DEQ OPEN T/D 2/17/70

RJN#13 RDG#151 SPEED#9750

RADIAL DISTANCE 190

DATE: 3/13/72

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET									
	1.2	10.0	20.0	30.7	40.0	50.0	60.0	70.0	80.0	90.0
50	-1.98	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77
63	-2.27	-2.34	-2.34	-2.34	-2.34	-2.34	-2.34	-2.34	-2.34	-2.34
80	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79	-2.79
100	-3.04	-3.11	-3.11	-3.11	-3.11	-3.11	-3.11	-3.11	-3.11	-3.11
125	-3.50	-3.56	-3.56	-3.56	-3.56	-3.56	-3.56	-3.56	-3.56	-3.56
160	-4.20	-4.26	-4.26	-4.26	-4.26	-4.26	-4.26	-4.26	-4.26	-4.26
200	-4.87	-4.93	-4.93	-4.93	-4.93	-4.93	-4.93	-4.93	-4.93	-4.93
250	-5.31	-5.38	-5.38	-5.38	-5.38	-5.38	-5.38	-5.38	-5.38	-5.38
315	-5.59	-5.66	-5.66	-5.66	-5.66	-5.66	-5.66	-5.66	-5.66	-5.66
400	-6.03	-6.10	-6.10	-6.10	-6.10	-6.10	-6.10	-6.10	-6.10	-6.10
500	-6.38	-6.45	-6.45	-6.45	-6.45	-6.45	-6.45	-6.45	-6.45	-6.45
630	-6.84	-6.91	-6.91	-6.91	-6.91	-6.91	-6.91	-6.91	-6.91	-6.91
800	-7.63	-7.70	-7.70	-7.70	-7.70	-7.70	-7.70	-7.70	-7.70	-7.70
1000	-8.45	-8.52	-8.52	-8.52	-8.52	-8.52	-8.52	-8.52	-8.52	-8.52
1250	-9.48	-9.55	-9.55	-9.55	-9.55	-9.55	-9.55	-9.55	-9.55	-9.55
1600	-10.79	-10.86	-10.86	-10.86	-10.86	-10.86	-10.86	-10.86	-10.86	-10.86
2000	-12.34	-12.41	-12.41	-12.41	-12.41	-12.41	-12.41	-12.41	-12.41	-12.41
2500	-14.15	-14.22	-14.22	-14.22	-14.22	-14.22	-14.22	-14.22	-14.22	-14.22
3150	-16.28	-16.35	-16.35	-16.35	-16.35	-16.35	-16.35	-16.35	-16.35	-16.35
4000	-18.71	-18.78	-18.78	-18.78	-18.78	-18.78	-18.78	-18.78	-18.78	-18.78
5000	-21.41	-21.48	-21.48	-21.48	-21.48	-21.48	-21.48	-21.48	-21.48	-21.48
6300	-24.41	-24.48	-24.48	-24.48	-24.48	-24.48	-24.48	-24.48	-24.48	-24.48
8000	-27.81	-27.88	-27.88	-27.88	-27.88	-27.88	-27.88	-27.88	-27.88	-27.88
10000	-31.41	-31.48	-31.48	-31.48	-31.48	-31.48	-31.48	-31.48	-31.48	-31.48

D123

AMBIENT TEMP, 33.00
WET-BULB TEMP, 28.00
BAR, PRESSURE 28.76
ABS, HUMIDITY 3.741

FAA FAN/COMPRESSOR - PHASE 5B + 5C 16VS 9 DNG OPEN T/D 2/17/78

RUN#13 RDG#155 SPEED#5750

RADIAL DISTANCE 150

PAGE 1

DATE: 3/03/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET									
	2.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0
50	71.57	71.57	71.57	71.57	71.57	71.57	71.57	71.57	71.57	71.57
63	69.70	69.70	69.70	69.70	69.70	69.70	69.70	69.70	69.70	69.70
80	66.42	66.42	66.42	66.42	66.42	66.42	66.42	66.42	66.42	66.42
100	63.81	63.81	63.81	63.81	63.81	63.81	63.81	63.81	63.81	63.81
125	61.04	61.04	61.04	61.04	61.04	61.04	61.04	61.04	61.04	61.04
160	57.43	57.43	57.43	57.43	57.43	57.43	57.43	57.43	57.43	57.43
200	54.43	54.43	54.43	54.43	54.43	54.43	54.43	54.43	54.43	54.43
250	51.19	51.19	51.19	51.19	51.19	51.19	51.19	51.19	51.19	51.19
315	47.51	47.51	47.51	47.51	47.51	47.51	47.51	47.51	47.51	47.51
400	43.29	43.29	43.29	43.29	43.29	43.29	43.29	43.29	43.29	43.29
500	38.56	38.56	38.56	38.56	38.56	38.56	38.56	38.56	38.56	38.56
630	33.29	33.29	33.29	33.29	33.29	33.29	33.29	33.29	33.29	33.29
800	27.56	27.56	27.56	27.56	27.56	27.56	27.56	27.56	27.56	27.56
1000	21.22	21.22	21.22	21.22	21.22	21.22	21.22	21.22	21.22	21.22
1250	14.43	14.43	14.43	14.43	14.43	14.43	14.43	14.43	14.43	14.43
1600	8.56	8.56	8.56	8.56	8.56	8.56	8.56	8.56	8.56	8.56
2000	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56	2.56
2500	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56	0.56
3150	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19	0.19
4000	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
5000	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
6300	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10000	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
MEASURED OASPL	94.73	94.73	94.73	94.73	94.73	94.73	94.73	94.73	94.73	94.73
CALCULATED OASPL	93.25	93.25	93.25	93.25	93.25	93.25	93.25	93.25	93.25	93.25
PND8	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0	107.0
GAPML	107.7	107.7	107.7	107.7	107.7	107.7	107.7	107.7	107.7	107.7

AMBIENT TEMP 31.20
WET-BULB TEMP 28.00
BAR. PRESSURE 28.76
ABS. HUMIDITY 3.741

FAX FAN/COMPRESSOR - PHASE 50 - 50 IQVS 9 DBB OPEN Y/D 2/17/78

RUN#13 R00#157 SPEED#4000

DATE: 3/23/72

PAGE 2

RADIAL DISTANCE 150

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM NLMT															
	7.2	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0
50	1942	-1.76	1984	1.459	1.313	1.886	2.113	3.773	6.274							
63	-0.833	-1.76	1984	1.459	1.313	1.886	2.113	3.773	6.274							
80	-1.82	-2.37	1984	1.459	1.313	1.886	2.113	3.773	6.274							
100	-1.359	-1.91	1984	1.459	1.313	1.886	2.113	3.773	6.274							
125	-1.359	-1.91	1984	1.459	1.313	1.886	2.113	3.773	6.274							
160	-1.359	-1.91	1984	1.459	1.313	1.886	2.113	3.773	6.274							
200	-1.359	-1.91	1984	1.459	1.313	1.886	2.113	3.773	6.274							
250	-1.359	-1.91	1984	1.459	1.313	1.886	2.113	3.773	6.274							
315	-1.359	-1.91	1984	1.459	1.313	1.886	2.113	3.773	6.274							
400	-1.359	-1.91	1984	1.459	1.313	1.886	2.113	3.773	6.274							
500	-1.359	-1.91	1984	1.459	1.313	1.886	2.113	3.773	6.274							
630	-1.359	-1.91	1984	1.459	1.313	1.886	2.113	3.773	6.274							
800	-1.359	-1.91	1984	1.459	1.313	1.886	2.113	3.773	6.274							
1000	-1.359	-1.91	1984	1.459	1.313	1.886	2.113	3.773	6.274							
1250	-1.359	-1.91	1984	1.459	1.313	1.886	2.113	3.773	6.274							
1600	-1.359	-1.91	1984	1.459	1.313	1.886	2.113	3.773	6.274							
2000	-1.359	-1.91	1984	1.459	1.313	1.886	2.113	3.773	6.274							
2500	-1.359	-1.91	1984	1.459	1.313	1.886	2.113	3.773	6.274							
3150	-1.359	-1.91	1984	1.459	1.313	1.886	2.113	3.773	6.274							
4000	-1.359	-1.91	1984	1.459	1.313	1.886	2.113	3.773	6.274							
5000	-1.359	-1.91	1984	1.459	1.313	1.886	2.113	3.773	6.274							
6300	-1.359	-1.91	1984	1.459	1.313	1.886	2.113	3.773	6.274							
8000	-1.359	-1.91	1984	1.459	1.313	1.886	2.113	3.773	6.274							
10000	-1.359	-1.91	1984	1.459	1.313	1.886	2.113	3.773	6.274							

D125

AMBIENT TEMP, 31.00
WET-BULB TEMP, 29.00
BAR, PRESSURE 29.76
ABS, HUMIDITY 3.741

FAA FAN/COMPRESSOR - PHASE 9B - 5C IGVS 9 DEG OPEN T/D 2/17/79

RUN#13 RQ#157 SPEED#4999

DATE: 3/23/72

RADIAL DISTANCE 190

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ	ANGLE FROM INLET									
	7.2	10.0	22.3	30.2	40.0	50.0	67.0	70.0	80.0	90.0
50										
63										
80										
100										
125										
160										
200										
250										
315										
400										
500										
630										
800										
1000										
1250										
1600										
2000										
2500										
3150										
4000										
5000										
6300										
8000										
10000										
MEASURED GASPL										
CALCULATED GASPL										
AND										

D126

GAPHL 190.1

AMBIENT TEMP 31.02
WET-BULB TEMP 29.20
BAR PRESSURE 28.76
ABS HUMIDITY 3.41

FAA FAN/COMPRESSOR - PHASE 3B - 50 TQVS 9 DEG OPEN Y/D 2/17/78

RUN-13 WDG-156 SPEED-5500

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET										
	2.7	18.0	22.0	30.0	40.0	51.0	60.0	70.0	80.0	90.0	100.0
30	-1.627	-2.17	-4.65	4.318	2.897	6.886	1.770	3.489	7.837		
40	-1.58	-2.50	-1.465	1.984	2.140	1.718	1.728	3.713	7.708		
50	-2.40	-2.86	-1.86	1.934	2.237	1.745	2.884	3.642	7.238		
100	-2.98	-2.84	-1.676	1.386	2.782	1.487	3.214	3.538	6.191		
125	-2.72	-2.83	-1.70	1.179	2.376	2.823	2.829	3.529	6.923		
150	-2.15	-1.99	-1.484	1.493	2.208	2.993	2.888	3.208	4.934		
200	-1.435	-1.82	-1.738	1.812	1.582	3.439	3.888	3.319	4.816		
250	-1.726	-1.349	-1.158	1.883	1.658	1.908	2.177	3.664	5.947		
315	-2.694	-1.147	-1.269	1.147	1.837	2.151	2.787	4.089	3.297		
400	-2.946	-1.757	-1.838	1.899	1.412	3.148	2.988	3.898	1.484		
500	-2.873	-1.651	-1.385	1.972	2.743	3.827	3.423	3.887	2.387		
630	-1.882	-1.223	-1.468	1.723	1.737	3.284	4.472	3.868	2.858		
800	-4.773	-1.732	-1.822	1.788	1.676	2.826	2.356	1.371	1.774		
1000	-3.886	-1.956	-1.781	1.197	1.288	2.821	4.197	2.819	-1.164		
1250	-3.584	-1.970	-1.693	1.236	1.624	2.982	3.283	2.864	-1.436		
1500	-2.383	-1.831	-1.828	2.138	1.881	2.936	3.048	1.272	-1.83		
2000	-1.480	-1.824	-2.833	2.855	1.769	1.973	4.332	1.369	-2.73		
2500	-2.949	-1.873	-1.728	2.781	1.983	3.819	3.984	-2.48	-2.79		
3150	-1.674	-1.664	-1.979	-1.13	3.238	3.916	1.161	-1.72	-1.18		
4000	-1.961	-1.833	-2.227	-1.43	3.583	4.718	3.588	-1.87	-1.21		
5000	-1.356	-1.821	-2.351	3.484	3.283	1.328	3.093	-1.84	-3.48		
6300	-1.184	-1.630	-1.264	3.179	2.889	4.712	2.143	-1.44	-2.26		
8000	-2.730	-2.959	-1.43	1.8748	3.308	3.776	3.888	-1.66	-3.59		
10000	-1.161	-4.625	-1.880	1.667	1.971	3.682	2.097	-2.66	-2.17		

D127

AMBIENT TEMP. 51.02
MET-BULB TEMP. 29.37
BAR. PRESSURE 28.75
ABS. HUMIDITY 3.741

FAA FAN/COMPRESSOR - PHASE 5B - 5C 18VS 9 DBB OPEN T/D 2/17/78

RUN#13 RDG#154 SPEED#5500

APPENDIX E

DATA FROM D/V III, IGV's 9° CLOSED

(REF. VOLUME I SECTION V)

4/23/77

PAGE: 1

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

100.0 110.0 120.0 130.0 140.2 150.0 160.0 170.0 (PUL)

ANGLE	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.2	150.0	160.0	170.0
100	57.23	67.22	65.58	66.03	65.37	67.17	64.84	65.59	70.84	67.98	66.26	67.89	58.36	124.4			
110	59.34	64.17	72.59	65.54	64.12	67.83	69.72	63.44	69.95	78.11	66.18	68.04	68.63	125.8			
120	52.82	64.58	63.38	65.39	63.80	65.83	63.85	64.31	67.77	66.22	66.59	68.31	67.93	123.3			
130	50.38	67.44	53.38	66.03	64.71	67.58	64.30	64.84	67.04	66.56	67.35	67.97	68.48	124.0			
140	54.28	74.44	62.02	65.75	63.90	65.71	64.73	65.18	67.11	67.25	67.42	67.31	68.48	125.1			
150	64.17	64.26	63.61	65.95	64.01	66.19	66.26	66.85	67.09	67.83	69.86	69.32	68.27	124.0			
160	85.53	64.16	63.87	64.61	64.30	65.81	66.19	65.89	66.48	66.30	68.17	68.44	67.82	124.0			
170	53.19	62.79	62.74	62.21	61.33	63.53	64.18	63.88	64.68	63.46	66.41	66.88	66.32	121.9			
180	65.33	64.27	64.06	63.30	62.52	62.86	63.95	61.85	64.68	62.47	65.99	62.74	64.42	121.9			
190	64.27	64.46	63.95	63.03	60.73	62.38	68.66	59.31	63.27	64.44	61.52	63.81	64.39	121.3			
200	66.54	66.83	66.14	66.88	63.79	65.81	61.98	68.96	61.45	64.23	63.09	63.59	62.79	122.7			
210	68.49	74.34	68.11	69.53	67.08	68.54	66.27	64.28	66.73	66.31	68.44	66.77	64.19	121.3			
220	58.25	74.78	67.72	69.74	67.87	68.93	68.93	85.07	78.99	78.35	71.44	68.67	67.39	128.2			
230	68.85	72.17	72.81	70.84	67.86	68.02	69.24	78.37	72.92	74.12	74.19	72.16	69.85	130.0			
240	73.50	75.73	73.83	72.97	69.99	78.11	68.39	68.77	69.48	72.79	72.33	71.14	68.73	130.0			
250	73.08	75.76	74.11	73.87	71.27	73.88	72.59	72.79	73.37	74.07	73.15	71.59	69.44	132.2			
260	72.34	74.87	74.49	70.77	68.43	69.48	69.51	71.96	74.34	76.58	74.17	71.55	68.41	131.9			
270	72.87	73.11	74.54	73.28	69.41	72.84	69.42	71.83	72.31	72.82	72.17	69.88	67.95	141.3			
280	92.74	82.25	79.25	84.38	80.07	79.42	79.53	81.28	84.98	79.28	77.71	78.39	75.96	138.3			
290	76.10	77.21	71.24	75.44	74.56	73.68	75.31	76.36	77.98	74.68	76.74	73.84	71.76	138.3			
300	73.88	75.51	72.69	71.99	69.59	71.84	73.29	73.58	76.81	78.19	77.76	73.89	78.28	148.4			
310	78.73	74.68	77.37	77.49	74.56	75.64	76.14	83.48	78.92	78.51	80.19	73.83	78.66	138.9			
320	72.65	73.99	71.17	71.07	70.23	70.87	71.94	72.53	73.02	72.21	76.19	70.98	69.84	148.2			
330	75.33	75.77	72.68	73.94	73.69	73.44	73.42	74.73	74.84	76.48	77.39	71.13	78.16				
340	68.67	69.81	69.32	69.14	65.32	67.44	65.64	67.72	68.97	67.93	67.73	65.74	64.84				
350	67.19	67.26	65.74	67.16	64.52	64.86	65.86	67.67	68.43	67.53	67.77	66.62	63.81				
360	102.6	101.7	102.4	103.2	99.96	100.0	100.1	101.7	104.1	101.6	101.1	99.56	97.64				

QAPML1 149.4

ANGLE = 180.0
WIND SPEED = 34.00
WIND PRESSURE = 29.19
WIND DIRECTION = 3.480

WIND PRESSURE = PHASE 2B + 5C 10VS 9 DEG CLOSED T/D 2/23/72

WIND SPEED = 34.00

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

		ANGLES FROM INLET															
		1.2	10.0	25.0	32.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0
5	5973	5939	5745	5482	5124	4724	4324	3924	3524	3124	2724	2324	1924	1524	1124	724	324
10	1116	1075	1035	995	955	915	875	835	795	755	715	675	635	595	555	515	475
15	206	196	186	176	166	156	146	136	126	116	106	96	86	76	66	56	46
20	352	342	332	322	312	302	292	282	272	262	252	242	232	222	212	202	192
25	257	247	237	227	217	207	197	187	177	167	157	147	137	127	117	107	97
30	228	218	208	198	188	178	168	158	148	138	128	118	108	98	88	78	68
35	247	237	227	217	207	197	187	177	167	157	147	137	127	117	107	97	87
40	287	277	267	257	247	237	227	217	207	197	187	177	167	157	147	137	127
45	216	206	196	186	176	166	156	146	136	126	116	106	96	86	76	66	56
50	174	164	154	144	134	124	114	104	94	84	74	64	54	44	34	24	14
55	268	258	248	238	228	218	208	198	188	178	168	158	148	138	128	118	108
60	115	105	95	85	75	65	55	45	35	25	15	5	-5	-15	-25	-35	-45
65	85	75	65	55	45	35	25	15	5	-5	-15	-25	-35	-45	-55	-65	-75
70	23	13	3	-7	-17	-27	-37	-47	-57	-67	-77	-87	-97	-107	-117	-127	-137
75	177	167	157	147	137	127	117	107	97	87	77	67	57	47	37	27	17
80	112	102	92	82	72	62	52	42	32	22	12	2	-8	-18	-28	-38	-48
85	288	278	268	258	248	238	228	218	208	198	188	178	168	158	148	138	128
90	113	103	93	83	73	63	53	43	33	23	13	3	-7	-17	-27	-37	-47
95	287	277	267	257	247	237	227	217	207	197	187	177	167	157	147	137	127
100	114	104	94	84	74	64	54	44	34	24	14	4	-6	-16	-26	-36	-46
105	287	277	267	257	247	237	227	217	207	197	187	177	167	157	147	137	127
110	114	104	94	84	74	64	54	44	34	24	14	4	-6	-16	-26	-36	-46
115	287	277	267	257	247	237	227	217	207	197	187	177	167	157	147	137	127
120	114	104	94	84	74	64	54	44	34	24	14	4	-6	-16	-26	-36	-46
125	287	277	267	257	247	237	227	217	207	197	187	177	167	157	147	137	127
130	114	104	94	84	74	64	54	44	34	24	14	4	-6	-16	-26	-36	-46
135	287	277	267	257	247	237	227	217	207	197	187	177	167	157	147	137	127
140	114	104	94	84	74	64	54	44	34	24	14	4	-6	-16	-26	-36	-46
145	287	277	267	257	247	237	227	217	207	197	187	177	167	157	147	137	127
150	114	104	94	84	74	64	54	44	34	24	14	4	-6	-16	-26	-36	-46

E3

ADJUST TEND. 40.22
 REMOVED TEND. 34.30
 BATH PRESSURE 29.14
 AOS, -0.1114

FAA FAV/COMPRESSOR - PHASE 5B * 5C IGVs 9 DEG CLOSED T/D 2/23/70

Run ID 000108 SPEED 05740

DATE: 3/26/72

PAGE: 1

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET									
	12.2	22.2	30.2	40.2	50.2	60.2	70.2	80.2	90.2	100.2
54	70.12	69.91	68.91	68.33	67.53	66.73	65.93	65.13	64.34	63.54
63	70.86	69.41	72.84	67.79	64.59	68.63	70.59	67.45	68.98	70.61
72	65.01	63.78	64.23	67.22	64.19	67.56	65.43	67.26	67.94	67.69
125	68.49	66.46	66.35	68.32	66.18	69.63	66.91	69.44	68.98	69.59
162	66.42	74.18	63.37	67.28	64.69	67.93	66.49	67.25	67.95	68.81
200	66.51	63.88	63.83	66.48	64.49	67.25	66.24	67.55	68.38	69.17
250	68.14	64.39	68.33	66.00	65.41	67.73	67.53	67.73	67.73	67.82
315	66.19	61.96	61.65	63.80	61.48	65.09	63.85	64.04	65.17	62.48
422	67.47	64.97	66.25	66.34	63.44	64.72	63.13	68.32	63.86	65.86
500	67.78	67.85	67.89	68.76	66.17	68.19	68.00	64.41	68.86	66.14
630	71.68	71.29	69.69	70.89	69.32	70.34	68.92	68.81	70.37	69.80
822	72.17	72.35	69.43	71.08	69.28	70.79	70.89	70.48	72.33	71.64
1000	71.71	71.64	69.71	71.28	67.87	70.27	69.44	70.71	71.97	72.87
1250	75.42	73.72	75.21	71.46	71.79	73.24	71.72	70.97	72.16	73.38
1500	70.18	77.02	74.17	75.14	73.27	74.31	74.72	75.47	75.31	76.97
2000	74.69	76.09	75.29	72.88	69.26	71.38	71.34	72.71	74.93	76.48
2500	75.44	73.95	76.19	72.62	70.78	70.17	71.08	73.79	74.48	74.40
3150	83.75	83.61	76.91	85.15	82.22	80.34	81.78	84.14	86.74	87.82
4000	81.55	82.29	74.49	80.39	80.88	78.16	80.33	81.83	84.84	87.00
5000	74.69	76.72	73.88	73.36	70.99	72.72	75.44	76.76	77.94	80.62
6300	77.49	75.29	76.61	76.88	75.25	75.27	74.29	78.71	76.90	80.26
8000	76.42	75.46	74.14	74.35	73.43	73.82	73.50	75.82	77.35	76.97
10000	76.31	74.61	73.82	74.12	74.28	74.65	73.31	76.02	74.58	75.77

MEASURED OASPL

CALCULATED OASPL

P.O.B

OASPL: 148.9

AIRWAY TEMP: 40.00

WET-BULB TEMP: 34.00

WIND PRESSURE: 29.19

AIR HUMIDITY: 3.487

WIND WAVELENGTHS - PHASE 50 + 50 IGWS 7 DEG CLOSED Y/D 2/23/70

RJ 115

5.0-164

SPEED 5500

RADIAL DISTANCE 250

DATE: 2/25/77 PAGE: 1

SOME PRESSURE LEVELS REDUCED AT STANDARD DAY

	1-10	20-30	32-40	47-50	52-70	67-70	70-72	82-90	92-100	102-110	110-120	120-130	130-140	140-150	150-160	160-170	170-180	180-190	190-200
5	43.57	67.58	67.27	67.29	65.63	67.72	66.36	67.13	68.51	67.63	69.37	71.68	76.66	126.5					
10	49.67	65.25	72.82	66.16	65.82	67.45	70.44	66.43	68.81	69.94	69.12	71.63	75.91	127.3					
15	64.62	64.48	64.41	65.89	64.72	66.96	66.09	66.28	67.77	67.98	69.59	71.35	74.58	128.0					
20	67.99	68.58	67.45	69.34	68.98	70.62	68.63	70.28	72.14	71.99	73.47	73.45	74.65	128.2					
25	65.92	74.12	63.85	66.02	65.79	67.72	67.02	67.95	68.89	69.49	70.24	71.20	73.57	127.8					
30	65.24	64.16	68.28	65.31	65.63	67.31	67.16	67.64	68.25	69.07	70.23	70.76	73.09	128.9					
35	67.61	64.57	66.48	66.42	67.26	69.45	67.78	68.83	69.63	68.88	70.79	71.44	70.87	128.6					
40	64.49	61.34	63.23	62.82	62.52	64.45	63.73	64.48	65.98	63.22	66.96	67.08	67.74	122.4					
45	64.38	64.25	65.11	64.19	62.24	63.94	62.46	61.88	63.12	64.74	63.32	65.64	68.26	128.1					
50	67.21	67.21	69.16	67.34	66.68	68.22	66.18	68.84	68.89	68.82	68.83	68.26	64.73	128.4					
55	70.47	71.45	71.84	70.55	70.29	71.34	69.69	70.59	72.89	70.52	71.54	69.56	66.24	122.2					
60	71.83	73.52	71.35	71.24	70.85	70.92	70.93	71.23	72.69	72.96	73.35	78.93	69.63	138.4					
65	71.23	73.81	72.85	71.29	68.49	69.41	69.28	70.75	71.83	73.15	73.84	72.97	69.98	138.3					
70	72.29	74.86	74.85	73.61	72.89	73.23	73.50	72.61	73.98	74.87	72.20	78.91	69.40	132.3					
75	77.46	78.81	78.13	75.54	74.59	75.27	75.37	75.35	78.41	78.19	76.79	78.86	78.79	133.0					
80	74.39	75.87	76.41	72.18	70.57	71.99	72.58	74.82	75.38	77.81	76.73	78.86	78.55	133.9					
85	74.92	74.61	77.56	74.91	73.37	73.39	72.48	73.84	75.42	76.34	74.16	69.54	68.08	134.2					
90	80.79	79.29	78.86	80.11	79.18	78.69	79.82	81.62	82.55	74.59	77.87	75.82	72.85	139.4					
95	85.72	85.25	79.39	84.45	85.12	85.66	85.97	85.87	87.48	78.98	83.64	83.31	78.84	142.4					
100	74.74	76.77	75.52	74.81	71.36	74.89	78.21	77.39	79.56	79.95	79.59	71.99	71.82	137.9					
105	75.74	73.95	76.92	76.08	73.99	75.14	74.76	76.63	78.31	79.34	76.88	71.62	68.93	138.4					
110	77.96	77.63	77.13	76.81	76.78	77.22	76.62	79.24	83.18	78.17	77.31	75.45	72.87	141.4					
115	75.95	75.35	74.69	74.54	73.51	74.87	73.89	76.48	76.85	76.31	77.65	71.72	70.28	148.9					
120	90.59	90.69	88.37	89.82	88.74	93.42	89.65	90.41	91.63	88.98	89.84	87.95	87.89						
125	89.47	89.44	87.64	88.48	88.18	88.96	89.21	89.98	91.17	88.52	89.23	86.75	86.25						
130	105.8	104.9	101.8	104.8	103.6	104.7	104.9	105.4	106.7	102.2	104.3	101.0	100.1						

GRAPH 1

FILE: TEND 4200
 VOLUME: 3502
 DATE: 2/25/77
 AS: 3.68X

CAA PA 100 PRESS - PHASE 58 - 5C IGVS 9 DEG CLOSED T/D 2/23/77

REV: 15 0010157 SPEED: 5750

E6

RADIAL DISTANCE 250

5/26/77

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	12.2	12.2	22.2	30.2	40.2	50.2	60.2	70.2	80.2	90.2	100.2	110.2	120.2	130.2	140.2	150.2	160.2	170.2	180.2	190.2	200.2
PREC.	71.77	71.52	68.05	67.51	66.28	66.39	66.02	68.53	69.28	69.30	73.59	74.79	78.92	120.6							
52	71.44	65.08	72.05	66.42	64.97	69.45	70.82	67.58	69.79	71.85	73.23	74.46	77.66	120.2							
63	68.11	67.99	65.06	66.29	64.79	68.14	66.75	67.32	68.67	69.36	73.16	73.67	75.37	127.2							
87	71.61	70.47	68.52	68.11	69.59	72.01	69.59	70.12	70.72	72.34	75.37	76.02	76.07	120.8							
125	69.13	74.78	64.99	68.86	68.57	69.47	67.87	68.07	69.76	70.78	72.34	73.26	74.06	120.3							
142	67.33	66.54	64.45	65.89	65.84	68.91	67.00	68.10	69.99	70.13	71.82	71.94	72.01	120.9							
207	69.52	67.58	66.27	66.78	66.17	71.34	68.97	68.29	69.21	72.33	71.51	72.99	72.10	120.0							
257	65.49	63.87	62.74	61.19	62.22	66.41	64.29	65.27	66.55	65.25	68.74	69.77	70.39	120.8							
315	67.55	66.29	65.45	62.39	62.39	65.35	64.10	63.83	66.89	64.26	65.50	65.57	68.32	123.3							
427	69.99	67.84	67.74	65.90	63.44	66.55	63.13	60.61	63.78	60.29	63.81	66.76	68.15	124.2							
532	71.17	70.85	69.89	69.39	68.83	69.39	66.49	65.67	68.17	67.81	68.20	66.58	67.44	120.7							
632	72.61	72.36	71.21	71.59	71.83	72.04	70.10	70.10	71.43	70.24	71.19	68.69	67.08	120.4							
822	72.25	72.22	69.33	72.48	72.49	71.74	71.70	71.69	73.50	73.33	74.50	70.81	70.87	120.6							
1027	74.49	74.72	73.33	72.11	74.28	71.19	70.17	71.45	73.20	74.84	76.10	73.44	71.94	120.2							
1250	77.29	77.59	76.36	75.94	75.51	77.85	73.88	72.89	73.76	73.67	75.13	73.66	72.26	120.9							
1500	78.09	78.05	77.03	75.64	75.03	78.75	76.06	76.22	78.09	77.97	77.30	73.67	72.84	120.3							
2002	78.74	78.44	76.64	73.64	73.28	73.72	73.84	74.31	76.16	76.68	77.32	72.87	72.35	120.8							
2502	78.59	74.15	76.73	74.93	72.94	73.53	72.46	74.39	75.61	77.17	75.35	78.01	78.07	120.3							
3150	88.53	76.79	73.17	78.08	78.13	77.93	77.16	79.13	85.60	74.75	76.78	74.29	73.89	120.4							
4000	87.87	86.31	79.97	85.72	88.94	86.92	85.86	85.13	87.17	81.49	85.77	82.88	81.97	120.6							
5000	75.36	75.74	74.75	74.11	73.82	74.33	76.27	76.26	78.41	80.54	78.57	72.13	71.98	120.8							
6302	76.35	73.12	76.98	76.54	75.52	75.29	75.20	77.99	78.57	81.83	76.36	71.12	71.08	120.7							
8007	77.85	76.31	76.84	74.58	76.91	75.79	74.99	75.35	81.23	77.28	78.51	75.66	74.62	120.7							
10000	76.57	74.17	73.17	73.75	73.71	73.36	72.69	74.34	74.63	76.19	78.50	71.91	72.12	120.7							
MEASURED OASPL	92.55	91.17	88.07	90.37	90.45	92.18	89.60	89.59	91.38	90.29	91.34	88.71	89.03								
CALCULATED OASPL	98.73	89.84	87.62	88.99	92.13	89.68	89.82	89.12	90.09	89.47	90.64	87.08	88.87								
P DB	106.4	105.5	102.8	104.8	105.9	105.6	104.7	104.8	106.5	103.9	105.9	102.5	102.3								

OAPHLI

159.4

CLIENT TEMP. 41.22
 F-SUBTEMP. 35.80
 FRY. PRESSURE 29.19
 FRY. HUMIDITY 3.683

FLYWAY/COMPRESSOR - PHASE 5B + 5C 10VS 9 DEG CLOSED Y/D 2/23/77

9.215 PDG=10.4 SEE=6000

RACIAL DISTANCE 232

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

[illegible]

Ambient Temp.	41.00
Et-dub Temp.	35.00
Bar. Pressure	29.19
Abs. Humidity	3.483

AAA FAN/COMPRESSOR - PHASE 5B + 5C 1QV5 9 JEQ CLOSED Y/D 2/23/70

SP-100-100

DATE: 5/ 6/77

PAGE: 1

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS REFUCED AT STANDARD DAY

FREQ.	ANGLES FROM 1/4 WT										150.0 170.0 (PWL)
	0	12.2	24.2	36.2	48.2	59.7	69.9	78.7	85.7	95.0	
50	69.47	69.29	68.12	67.45	67.29	66.33	65.92	65.75	65.82	65.75	127.9
63	69.77	69.78	72.94	78.66	68.66	68.66	68.66	68.66	68.66	68.66	127.9
81	68.59	65.97	65.49	65.09	65.77	65.43	65.23	65.23	65.23	65.23	127.9
100	69.95	70.57	72.11	72.11	72.11	72.11	72.11	72.11	72.11	72.11	127.9
125	67.33	74.78	65.64	65.62	68.11	69.63	69.41	70.62	71.25	72.89	127.9
160	65.97	66.38	64.99	66.41	67.51	69.38	69.83	71.18	71.55	72.61	127.9
200	68.44	65.84	67.16	67.88	68.17	69.38	70.21	71.46	72.61	73.74	127.9
250	64.37	63.77	61.51	62.89	63.86	64.33	65.69	67.18	69.31	70.42	127.9
315	65.59	65.61	65.14	65.62	63.77	63.39	63.22	63.51	67.59	68.26	127.9
400	66.41	66.76	66.99	65.99	62.39	64.72	62.62	62.60	64.17	65.67	127.9
500	69.82	69.73	69.47	69.89	67.78	69.61	66.82	66.91	65.68	65.88	127.9
630	71.67	73.22	72.58	72.34	71.35	72.64	71.15	71.54	71.99	72.29	127.9
800	72.11	74.68	72.53	72.89	72.29	72.88	72.83	73.26	74.83	74.35	127.9
1000	71.26	74.21	72.11	72.57	70.63	72.87	71.84	73.76	74.48	75.11	127.9
1250	74.32	78.76	76.62	75.33	73.54	73.38	73.74	73.74	73.59	72.67	127.9
1600	77.78	80.44	79.14	77.44	76.43	76.85	76.78	77.08	77.08	77.48	127.9
2000	75.18	77.52	78.19	75.88	72.22	73.83	74.26	76.05	77.44	78.73	127.9
2500	76.13	76.14	78.46	75.77	73.11	73.99	73.82	74.39	77.48	78.49	127.9
3150	79.23	78.85	79.29	79.81	77.54	78.88	77.66	80.95	81.89	77.72	127.9
4000	84.18	82.88	79.64	84.89	85.97	85.31	84.79	87.08	92.30	83.64	127.9
5000	74.68	71.49	75.69	74.15	73.33	73.16	76.48	77.51	79.11	80.66	127.9
6300	75.99	74.63	79.42	78.58	76.38	77.23	76.68	80.58	79.34	83.38	127.9
8000	76.56	76.68	77.12	74.12	76.19	77.89	77.89	78.45	80.79	81.97	127.9
10000	75.71	75.05	73.79	73.91	74.45	74.34	73.92	75.89	75.89	80.26	127.9
MEASURED GASEL	89.86	91.99	89.35	90.92	89.63	90.96	89.69	92.83	94.44	91.37	150.0
CALCULATED	88.85	90.68	88.54	89.88	88.97	88.13	88.83	91.22	93.83	90.91	150.0
PWDB	124.3	126.3	122.4	124.6	124.6	124.6	124.6	124.6	124.6	124.6	150.0

QAPH1 150.0

ADJCT TEMP: 41.22
REF-35 TEMP: 35.22
HAT PRESSURE: 29.19
HAT HUMIDITY: 3.483

FAIRFAX/COMPRESSOR - PHASE 55 - 5C IGVS 9 DEG CLOSED 7/0 2/23/77

9.1825 9.38165 SP2000195

DA-41 3/26/72

RADIAL DISTANCE 250

PAGE 1 3

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

1.0 27.0 31.2 4.2 54.2 67.2 70.0 82.2 92.0 102.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0 200.0

ANGLES FROM INLET

FREQ.	1.0	27.0	31.2	4.2	54.2	67.2	70.0	82.2	92.0	102.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
54	-7.2	-3.9	-2.8	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7	-2.7
63	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3
81	-4.7	-4.1	-4.0	-3.9	-3.8	-3.7	-3.6	-3.5	-3.4	-3.3	-3.2	-3.1	-3.0	-2.9	-2.8	-2.7	-2.6	-2.5	-2.4	-2.3
121	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9	-2.9
125	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1
160	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1	-3.1
201	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3
251	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5
315	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5	-1.5
401	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7	-1.7
501	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3
632	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3
821	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3
1201	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3
1252	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3
1602	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3
2002	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3
2502	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3
3150	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3
4000	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3
5000	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3
6300	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3
8000	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3
10002	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3	-1.3

E11

AMBIENT TEMP. 41.00
 SET-POINT TEMP. 35.00
 FAN PRESSURE 29.19
 ABS. HUMIDITY 3.683

FAN FAN/COMPRESSOR - PHASE 50 - SC TQVS 9 DEG CLOSED 7/D 2/23/78

RUN 15 RUN 109 SPEED 6195

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

LET FROM 10-11-57

	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240	250	260	270	280	290	300	310	320	330	340	350	360	370	380	390	400	410	420	430	440	450	460	470	480	490	500	510	520	530	540	550	560	570	580	590	600	610	620	630	640	650	660	670	680	690	700	710	720	730	740	750	760	770	780	790	800	810	820	830	840	850	860	870	880	890	900	910	920	930	940	950	960	970	980	990	1000	1010	1020	1030	1040	1050	1060	1070	1080	1090	1100	1110	1120	1130	1140	1150	1160	1170	1180	1190	1200	1210	1220	1230	1240	1250	1260	1270	1280	1290	1300	1310	1320	1330	1340	1350	1360	1370	1380	1390	1400	1410	1420	1430	1440	1450	1460	1470	1480	1490	1500	1510	1520	1530	1540	1550	1560	1570	1580	1590	1600	1610	1620	1630	1640	1650	1660	1670	1680	1690	1700	1710	1720	1730	1740	1750	1760	1770	1780	1790	1800	1810	1820	1830	1840	1850	1860	1870	1880	1890	1900	1910	1920	1930	1940	1950	1960	1970	1980	1990	2000	2010	2020	2030	2040	2050	2060	2070	2080	2090	2100	2110	2120	2130	2140	2150	2160	2170	2180	2190	2200	2210	2220	2230	2240	2250	2260	2270	2280	2290	2300	2310	2320	2330	2340	2350	2360	2370	2380	2390	2400	2410	2420	2430	2440	2450	2460	2470	2480	2490	2500	2510	2520	2530	2540	2550	2560	2570	2580	2590	2600	2610	2620	2630	2640	2650	2660	2670	2680	2690	2700	2710	2720	2730	2740	2750	2760	2770	2780	2790	2800	2810	2820	2830	2840	2850	2860	2870	2880	2890	2900	2910	2920	2930	2940	2950	2960	2970	2980	2990	3000	3010	3020	3030	3040	3050	3060	3070	3080	3090	3100	3110	3120	3130	3140	3150	3160	3170	3180	3190	3200	3210	3220	3230	3240	3250	3260	3270	3280	3290	3300	3310	3320	3330	3340	3350	3360	3370	3380	3390	3400	3410	3420	3430	3440	3450	3460	3470	3480	3490	3500	3510	3520	3530	3540	3550	3560	3570	3580	3590	3600	3610	3620	3630	3640	3650	3660	3670	3680	3690	3700	3710	3720	3730	3740	3750	3760	3770	3780	3790	3800	3810	3820	3830	3840	3850	3860	3870	3880	3890	3900	3910	3920	3930	3940	3950	3960	3970	3980	3990	4000	4010	4020	4030	4040	4050	4060	4070	4080	4090	4100	4110	4120	4130	4140	4150	4160	4170	4180	4190	4200	4210	4220	4230	4240	4250	4260	4270	4280	4290	4300	4310	4320	4330	4340	4350	4360	4370	4380	4390	4400	4410	4420	4430	4440	4450	4460	4470	4480	4490	4500	4510	4520	4530	4540	4550	4560	4570	4580	4590	4600	4610	4620	4630	4640	4650	4
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DATE: 3, 6/7

PAGE: 1

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET										TOTAL
	7.2	12.6	2.7	30.0	40.0	50.0	60.0	70.0	80.0	90.0	
5	72.95	77.28	74.89	72.94	68.37	69.42	69.71	71.22	72.35	71.05	73.81
5.5	71.19	75.65	70.56	70.99	68.08	70.43	72.09	71.14	73.42	73.00	74.21
6	67.89	73.66	73.45	68.92	67.31	69.73	69.94	70.89	71.92	72.89	74.78
6.5	70.98	73.08	73.04	73.29	71.32	73.04	71.82	72.81	73.43	75.49	76.65
7	70.72	76.32	72.51	72.11	70.56	74.74	71.77	72.77	73.87	75.26	76.39
7.5	68.22	72.22	74.29	68.82	68.29	71.21	71.15	72.12	73.52	73.68	75.28
8	69.46	69.78	75.34	68.39	68.29	70.33	71.55	72.68	74.49	72.12	74.77
8.5	67.88	67.92	68.77	65.81	68.56	69.09	70.20	70.84	68.89	71.09	72.71
9	66.41	67.94	68.35	64.31	65.14	66.72	67.81	68.62	68.56	67.68	68.34
9.5	64.99	68.00	67.67	65.32	62.30	64.91	65.92	65.51	68.05	69.18	68.61
10	68.21	69.45	70.59	68.66	66.32	68.79	67.66	67.38	68.47	70.34	70.41
10.5	72.39	73.00	74.37	73.80	71.52	74.22	72.00	72.63	73.37	74.85	76.75
11	74.75	76.84	75.31	74.15	73.76	74.39	74.83	74.98	76.46	76.28	77.01
11.5	76.03	78.90	75.59	75.17	73.51	74.09	75.09	75.34	76.85	75.59	76.91
12	74.73	77.19	74.82	74.28	72.42	73.24	74.24	74.69	75.69	77.47	74.94
12.5	76.00	79.69	86.31	78.69	77.78	78.28	78.14	78.69	79.84	81.87	81.87
13	78.48	82.55	81.84	76.96	75.15	77.11	76.92	77.66	77.05	80.14	78.92
13.5	77.16	76.73	78.34	77.92	75.23	78.18	75.93	78.34	78.75	81.86	79.23
14	88.35	78.98	76.99	81.38	79.23	79.58	79.32	82.33	83.59	78.83	78.59
14.5	84.48	87.59	83.49	88.93	86.34	85.14	87.48	86.51	88.48	86.56	86.41
15	77.29	80.26	77.19	77.78	77.11	77.09	79.81	80.29	81.86	83.48	82.77
15.5	77.37	76.83	79.18	80.45	79.20	80.15	77.68	84.58	83.48	82.68	82.12
16	78.85	88.33	77.38	79.82	76.83	77.82	79.18	88.29	88.35	78.47	85.96
16.5	76.77	76.54	74.31	77.24	75.85	76.53	75.09	78.17	79.59	82.20	82.36
17	91.20	93.69	91.62	91.87	90.97	91.39	91.61	93.34	94.18	93.43	93.78
17.5	89.92	92.13	92.24	92.87	91.50	92.22	91.11	92.82	93.75	93.23	93.74
18	105.1	107.5	104.2	106.1	105.6	105.5	106.0	106.2	109.9	107.6	104.4

QAPHLI 100.2

MEASURED CASPL 41.82
CALCULATED CASPL 35.32
SOUND PRESSURE 29.19
IES, RELATIVITY 3.483

FAA FA /COMPRESSOR - PHASE 5B - 5C IGVS 9 DEG CLOSED 7/2/23/77

REMARKS: POSITIVE SPEED=6680

RADIAL DISTANCE 250

DATE: 5/26/77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET										
	0	15	30	45	60	75	90	105	120	135	150
125	-1.64	4.535	2.322	-1.64	-4.20	-3.16	-2.86	-1.56	-1.23	-1.23	4.535
150	-2.64	2.426	3.256	-2.64	-4.55	-2.79	-2.14	-2.09	-1.87	-1.87	2.426
175	-3.14	1.298	1.583	-3.14	-4.86	-2.44	-2.23	-1.29	-1.29	-1.29	1.298
200	-3.13	1.337	1.574	-3.13	-4.71	-2.31	-2.19	-1.21	-1.21	-1.21	1.337
225	-3.12	2.477	1.533	-3.12	-3.27	-1.10	-0.87	-1.07	-0.83	-0.83	2.477
250	-3.07	1.37	1.79	-3.07	-3.29	-0.78	-0.55	-0.34	-0.34	-0.34	1.37
275	-2.11	1.79	1.23	-2.11	-3.83	-1.23	-0.41	-0.41	-0.41	-0.41	1.79
300	-1.14	1.37	2.22	-1.14	-2.43	-0.43	-0.61	-1.215	-1.056	-1.056	1.37
325	-0.72	1.232	1.451	-0.72	-1.70	-1.16	-0.53	-1.734	-1.356	-1.356	1.232
350	-1.79	2.322	1.683	-1.79	-4.30	-1.87	-1.74	-1.27	-1.27	-1.27	2.322
375	-0.68	1.3727	1.422	-0.68	-2.16	-0.89	-0.724	-1.87	-1.789	-1.789	1.3727
400	-0.929	1.122	1.842	-0.929	-1.00	-0.914	-0.724	-0.693	-1.043	-1.043	1.122
425	-1.68	1.923	1.698	-1.68	-1.19	-0.516	-0.81	-0.693	-1.043	-1.043	1.923
450	-1.571	1.939	1.438	-1.571	-1.16	-0.88	-1.351	-0.822	-1.11	-1.11	1.939
475	-1.324	2.597	2.186	-1.324	-2.26	-1.36	-1.36	-0.917	-1.097	-1.097	2.597
500	-2.94	1.8720	1.497	-2.94	-1.83	-1.84	-1.872	-1.879	-1.10	-1.10	1.8720
525	-0.449	2.796	3.393	-0.449	-2.30	-1.59	-0.35	-0.698	-1.09	-1.09	2.796
550	-1.68	1.684	2.884	-1.68	-2.88	-1.15	-1.76	-1.084	-1.414	-1.414	1.684
575	-0.368	1.472	2.38	-0.368	-1.44	-0.87	-0.81	-2.959	-1.199	-1.199	1.472
600	-1.98	1.212	1.489	-1.98	-1.38	-1.24	-1.05	-2.127	-1.03	-1.03	1.212
625	-2.29	1.718	2.35	-2.29	-1.79	-1.43	-1.82	-2.747	-1.363	-1.363	1.718
650	-3.35	1.68	1.54	-3.35	-2.63	-1.42	-1.568	-3.11	-4.161	-4.161	1.68
675	-1.82	1.874	2.151	-1.82	-1.84	-2.85	-0.619	-1.212	-1.468	-1.468	1.874
700	-1.06	1.29	3.52	-1.06	-1.98	-1.31	-2.14	-1.259	-1.449	-1.449	1.29
725											
750											
775											
800											
825											
850											
875											
900											
925											
950											
975											
1000											
1025											
1050											
1075											
1100											
1125											
1150											
1175											
1200											
1225											
1250											
1275											
1300											
1325											
1350											
1375											
1400											
1425											
1450											
1475											
1500											

E15

AMBIENT TEMP: 41.00
 BULB TEMP: 35.00
 BAR. PRESSURE: 29.19
 ACS. HUMIDITY: 3.68

FAN COMPRESSOR - PHASE 9B - 5C IQVS 9 DEG CLOSED T/D 2/23/78

RUN 15 RUN 171 SPEED=6600

O

DATE: 2/26/72

PAGE: 1

RADIAL DISTANCE 250

SOURCE PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET									
	0.2	10.0	20.0	30.0	40.2	50.0	60.0	70.0	80.0	90.0
50	72.09	75.33	75.45	78.39	80.98	80.43	78.91	72.34	72.71	72.62
63	73.72	74.91	76.71	78.80	80.15	78.43	72.79	71.97	72.99	73.07
82	68.57	72.79	73.27	70.21	68.17	70.76	70.86	71.85	72.95	73.38
102	71.52	73.53	72.92	73.85	71.99	72.94	73.28	73.69	74.17	75.43
125	75.65	77.26	74.99	77.48	76.95	76.23	74.69	75.69	74.66	76.28
160	70.87	71.62	68.51	70.18	69.92	71.84	71.59	72.73	73.78	74.81
200	70.74	72.69	68.64	69.38	69.14	71.12	71.59	72.76	73.79	75.82
250	48.96	69.18	65.22	67.07	67.35	70.66	69.63	71.76	71.91	70.87
315	49.48	71.25	67.85	66.92	65.87	67.89	68.21	70.22	71.09	69.65
400	69.48	71.26	69.82	67.74	65.69	65.18	65.12	66.82	67.88	70.11
500	72.65	73.48	73.64	71.39	69.75	70.79	69.87	67.99	68.36	72.92
632	75.32	75.28	75.51	75.59	73.79	75.61	75.13	74.67	76.88	74.43
800	75.61	77.45	74.85	74.78	74.41	75.92	76.14	75.62	77.52	77.14
1000	75.33	76.67	75.29	74.39	72.66	74.83	74.58	74.57	75.50	73.88
1250	75.64	78.88	76.13	76.80	75.88	74.91	74.96	75.37	75.73	77.50
1600	77.26	83.24	81.79	79.59	78.66	79.56	79.82	79.41	79.32	82.18
2000	77.55	80.26	80.12	76.33	74.61	77.32	76.78	77.14	78.26	82.79
2500	78.63	78.91	81.84	78.98	76.86	77.35	77.88	79.13	79.92	81.31
3150	80.84	78.77	76.92	81.85	76.33	80.66	80.28	83.12	82.85	78.78
4000	84.35	86.38	85.34	87.18	87.37	85.48	87.31	88.89	91.45	88.86
5000	86.51	86.59	86.84	82.85	82.61	84.19	83.36	83.67	86.98	86.77
6300	78.11	77.11	79.87	79.72	78.42	80.48	78.82	83.27	83.17	85.33
8000	78.48	80.34	78.23	78.86	76.76	79.49	80.86	80.54	83.46	80.74
10000	76.65	79.03	76.78	78.14	76.65	78.83	79.59	79.92	86.54	82.88

PASSED CASPL
 CALCULATED CASPL
 5.08

0APML1

193.8

PIPE DIA: 45.2
 AIRFLOW: 35.37
 AIR PRESS: 29.19
 LOSS: 3.483

PHASE 2 - PHASE 20 - TO 195 9 DEG CLUSTER T/D 2/23/70

E FID 5.15/70
 SPEED: 8000

DATE: 3/ 5/77

PAGE: 1

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

PHASE	7.2	17.0	27.0	38.0	40.0	52.2	60.2	70.0	80.2	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PWL)
50	71.58	72.88	72.96	73.87	70.76	73.75	70.96	73.25	73.53	72.86	73.84	77.11	80.84	131.0				
63	72.23	71.91	74.93	72.88	73.36	73.88	72.69	72.67	73.59	74.02	75.82	76.12	81.34	132.3				
82	68.51	70.82	72.29	72.18	69.75	74.35	71.35	73.08	74.28	74.65	76.32	76.20	80.78	131.0				
100	69.47	72.24	71.12	73.73	71.79	75.72	72.97	74.49	74.88	76.21	77.72	79.64	81.33	133.3				
125	74.24	70.38	76.66	70.58	71.19	79.65	77.88	76.75	73.68	77.87	79.34	79.62	82.59	134.1				
160	49.88	71.82	66.53	72.28	70.61	75.85	72.60	73.22	75.66	77.12	78.41	78.73		132.7				
200	72.150	71.33	66.77	71.73	70.81	75.87	72.43	74.82	74.39	74.48	76.85	78.02	78.12	131.9				
250	72.33	70.47	67.39	72.65	68.23	75.18	70.89	73.27	74.73	71.50	75.09	75.02	74.34	131.8				
315	66.40	71.37	66.77	70.25	65.56	73.27	58.45	70.44	71.17	70.89	69.68	71.91	72.55	129.7				
400	72.62	72.40	72.29	72.41	47.17	73.78	57.38	68.36	68.92	73.75	70.48	74.85	74.9	129.9				
500	74.84	76.51	75.61	74.52	73.27	76.13	72.61	76.32	76.12	74.44	75.48	73.51	73.59	132.5				
630	74.194	77.65	75.34	77.79	75.18	76.97	75.39	75.51	75.03	78.77	76.55	72.99		132.8				
800	75.75	78.57	75.93	77.12	76.17	76.77	77.38	77.69	78.56	78.21	79.78	77.11	73.73	131.4				
1000	75.34	78.33	73.97	76.51	73.83	77.71	75.88	76.33	77.62	78.82	78.99	77.68	75.47	135.0				
1250	76.59	79.39	77.99	78.21	76.52	78.42	75.89	76.48	76.82	78.88	78.66	75.22	73.8	136.2				
1600	76.70	82.40	81.48	80.21	79.19	80.99	79.85	78.84	80.28	81.20	82.50	76.10	74.55	139.0				
2000	77.76	80.57	82.35	77.66	75.91	78.36	77.21	78.27	79.55	81.75	82.83	76.81	75.34	138.6				
2500	78.42	79.83	81.52	79.35	76.92	78.55	77.63	79.36	79.88	80.22	77.84	73.54	73.34	138.5				
3150	82.05	80.86	77.79	82.85	81.45	82.32	82.83	84.88	84.85	77.49	75.54	77.00	75.32	141.9				
4000	84.76	86.47	82.83	86.87	88.68	90.28	89.82	88.75	89.81	85.51	86.46	80.93	82.31	140.8				
5000	85.48	87.93	85.99	87.75	91.15	93.24	91.28	88.44	90.41	88.91	89.23	82.48	84.72	150.3				
6300	82.19	78.71	81.26	81.88	88.16	91.21	88.37	84.23	84.13	85.32	85.27	75.82	74.57	143.9				
8000	79.95	88.77	78.08	79.38	79.82	88.43	81.75	81.16	84.18	79.96	82.38	77.84	76.78	144.4				
10000	81.50	81.19	79.44	81.87	79.46	81.34	83.87	82.23	83.07	82.63	80.47	78.19	79.35	147.9				

MEASURED CASPL
CALCULATED CASPL
P'DB

OAPML 155.6

AMBIENT TEMP 42.00
KEY-BULB TEMP 34.80
BAR. PRESSURE 29.19
ABS. HUMIDITY 2.983

FAA FAX/COMPRESSION - PHASE 5B + DC 10VS 9 DEG CLUSEC V/F 23/70

FILE 25 FILE 27 SPECIMEN 7102

DATE: 4/25/77

RADIAL DISTANCE 250

PAGE 2

SOUND PRESS. RE LEVELS DIRECTIVITY INDEX

	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100																																																																																																																																																																																						
	-1.18	-1.12	-1.08	-1.04	-1.00	-0.96	-0.92	-0.88	-0.84	-0.80	-0.76	-0.72	-0.68	-0.64	-0.60	-0.56	-0.52	-0.48	-0.44	-0.40	-0.36	-0.32	-0.28	-0.24	-0.20	-0.16	-0.12	-0.08	-0.04	0.00	0.04	0.08	0.12	0.16	0.20	0.24	0.28	0.32	0.36	0.40	0.44	0.48	0.52	0.56	0.60	0.64	0.68	0.72	0.76	0.80	0.84	0.88	0.92	0.96	1.00	1.04	1.08	1.12	1.16	1.20	1.24	1.28	1.32	1.36	1.40	1.44	1.48	1.52	1.56	1.60	1.64	1.68	1.72	1.76	1.80	1.84	1.88	1.92	1.96	2.00	2.04	2.08	2.12	2.16	2.20	2.24	2.28	2.32	2.36	2.40	2.44	2.48	2.52	2.56	2.60	2.64	2.68	2.72	2.76	2.80	2.84	2.88	2.92	2.96	3.00	3.04	3.08	3.12	3.16	3.20	3.24	3.28	3.32	3.36	3.40	3.44	3.48	3.52	3.56	3.60	3.64	3.68	3.72	3.76	3.80	3.84	3.88	3.92	3.96	4.00	4.04	4.08	4.12	4.16	4.20	4.24	4.28	4.32	4.36	4.40	4.44	4.48	4.52	4.56	4.60	4.64	4.68	4.72	4.76	4.80	4.84	4.88	4.92	4.96	5.00	5.04	5.08	5.12	5.16	5.20	5.24	5.28	5.32	5.36	5.40	5.44	5.48	5.52	5.56	5.60	5.64	5.68	5.72	5.76	5.80	5.84	5.88	5.92	5.96	6.00	6.04	6.08	6.12	6.16	6.20	6.24	6.28	6.32	6.36	6.40	6.44	6.48	6.52	6.56	6.60	6.64	6.68	6.72	6.76	6.80	6.84	6.88	6.92	6.96	7.00	7.04	7.08	7.12	7.16	7.20	7.24	7.28	7.32	7.36	7.40	7.44	7.48	7.52	7.56	7.60	7.64	7.68	7.72	7.76	7.80	7.84	7.88	7.92	7.96	8.00	8.04	8.08	8.12	8.16	8.20	8.24	8.28	8.32	8.36	8.40	8.44	8.48	8.52	8.56	8.60	8.64	8.68	8.72	8.76	8.80	8.84	8.88	8.92	8.96	9.00	9.04	9.08	9.12	9.16	9.20	9.24	9.28	9.32	9.36	9.40	9.44	9.48	9.52	9.56	9.60	9.64	9.68	9.72	9.76	9.80	9.84	9.88	9.92	9.96	10.00

E17

DATE: 4/25/77
TIME: 14:03
PRESS: 1.03

SWA 1A / 100 PRESS - PAGE 98 - 50 JUNE 9 DEG CLOSED T/D 2/23/78

REELS 5-18-77 STEELBOL

DATE: 5/ 6/73

PAGE: 2

RADIAL DISTANCE 250

SOX. PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET									
	0°	12.0°	24.0°	36.0°	48.0°	54.0°	66.0°	78.0°	84.0°	94.2°
5	-2.25	-1.937	-1.773	-1.767	-3.27	-1.883	-2.87	-1.586	-1.386	-1.970
63	-2.24	-2.56	-4.614	-1.58	-3.11	-1.589	-1.77	-1.79	-1.869	-1.523
82	-3.91	-3.12	-3.63	-1.74	-4.17	-4.261	-2.37	-0.442	-1.377	-1.284
102	-3.75	-2.98	-4.12	-1.49	-3.43	-4.661	-2.24	-1.723	-1.338	-1.944
125	-3.74	-3.958	-1.33	-1.562	-1.702	-1.662	-1.23	-2.28	-1.18	-1.169
16	-4.53	-2.59	-5.92	-2.14	-3.81	-1.829	-1.81	-1.217	-1.846	-1.443
20	-3.12	-2.31	-4.87	-1.91	-3.63	-1.931	-1.21	-1.3789	-1.591	-1.487
257	-1.97	-1.84	-4.92	-1.46	-4.07	-2.874	-1.41	-1.9595	-4.228	-2.882
315	-1.63	-1.281	-3.55	-1.304	-3.56	-3.144	-1.67	-3.137	-1.972	-1.729
422	-1.588	-1.279	-1.926	-1.206	-4.84	-2.573	-1.82	-2.85	-2.28	-2.543
502	-1.371	-1.142	-2.339	-1.319	-1.197	-2.708	-2.86	-3.13	-3.34	-1.783
637	-1.16	-1.552	-1.754	-1.692	-1.912	-2.873	-1.787	-1.591	-1.998	-1.442
807	-1.58	-1.243	-1.79	-2.08	-1.15	-1.443	-1.535	-1.369	-1.239	-1.854
1207	-1.18	-1.885	-2.62	-2.12	-2.09	-1.183	-1.52	-1.189	-1.859	-2.292
1257	-1.55	-2.833	-1.246	-1.472	-2.19	-1.181	-1.53	-1.26	-1.594	-1.262
1602	-1.147	-2.742	-1.823	-1.5718	-2.73	-1.849	-1.891	-1.899	-1.841	-1.880
2002	-1.897	-1.914	-1.893	-1.88	-2.75	-1.893	-1.45	-1.584	-1.893	-1.897
2502	-1.8784	-1.6913	-2.730	-1.200	-1.42	-2.31	-1.89	-1.819	-1.593	-1.884
3152	-1.732	-1.419	-3.32	-1.545	-1.452	-1.488	-1.42	-2.773	-1.532	-1.77
4002	-2.28	-1.483	-4.13	-1.883	-1.722	-3.324	-2.159	-2.11	-2.888	-1.48
5002	-3.53	-1.89	-3.183	-3.88	-2.122	-4.122	-2.37	-2.39	-1.382	-1.14
6322	-1.21	-2.72	-1.153	-1.8661	-1.25	-1.822	-1.84	-2.822	-2.717	-1.889
8022	-1.446	-1.963	-1.192	-1.83	-1.36	-1.824	-1.378	-1.781	-1.881	-1.417
10220	-1.252	-1.688	-2.34	-1.729	-2.31	-1.482	-1.278	-1.4286	-1.278	-1.828

E19

CLERY TEMP. 42.88
 COOLD TEMP. 36.82
 FEA PRESSURE 29.19
 SOX ACTIVITY 2.683

FAA FA /COMPRESSOR - PHASE 9F - 5C IGVS 9 DEG CLOSER T/D 8/23/78

WIND R038173 SPEED=7102

STAY LANE DAY

ANGLES FROM INLET

[illegible][illegible][illegible]

PAGE = 53 + 50
19VS 9 SEP 1978

SPENCER 7340

9-1317:

5

SOLUBLE PRESSURE LEVELS REDUCED AT STANDARD DAY

	30.0	42.2	54.7	67.2	79.7	92.2	104.7	117.2	129.7	142.2	154.7	167.2	179.7	192.2	204.7	217.2	229.7	242.2	254.7	267.2	279.7	292.2	304.7	317.2	329.7	342.2	354.7	367.2	379.7	392.2	404.7	417.2	429.7	442.2	454.7	467.2	479.7	492.2	504.7	517.2	529.7	542.2	554.7	567.2	579.7	592.2	604.7	617.2	629.7	642.2	654.7	667.2	679.7	692.2	704.7	717.2	729.7	742.2	754.7	767.2	779.7	792.2	804.7	817.2	829.7	842.2	854.7	867.2	879.7	892.2	904.7	917.2	929.7	942.2	954.7	967.2	979.7	992.2	1004.7	1017.2	1029.7	1042.2	1054.7	1067.2	1079.7	1092.2	1104.7	1117.2	1129.7	1142.2	1154.7	1167.2	1179.7	1192.2	1204.7	1217.2	1229.7	1242.2	1254.7	1267.2	1279.7	1292.2	1304.7	1317.2	1329.7	1342.2	1354.7	1367.2	1379.7	1392.2	1404.7	1417.2	1429.7	1442.2	1454.7	1467.2	1479.7	1492.2	1504.7	1517.2	1529.7	1542.2	1554.7	1567.2	1579.7	1592.2	1604.7	1617.2	1629.7	1642.2	1654.7	1667.2	1679.7	1692.2	1704.7	1717.2	1729.7	1742.2	1754.7	1767.2	1779.7	1792.2	1804.7	1817.2	1829.7	1842.2	1854.7	1867.2	1879.7	1892.2	1904.7	1917.2	1929.7	1942.2	1954.7	1967.2	1979.7	1992.2	2004.7	2017.2	2029.7	2042.2	2054.7	2067.2	2079.7	2092.2	2104.7	2117.2	2129.7	2142.2	2154.7	2167.2	2179.7	2192.2	2204.7	2217.2	2229.7	2242.2	2254.7	2267.2	2279.7	2292.2	2304.7	2317.2	2329.7	2342.2	2354.7	2367.2	2379.7	2392.2	2404.7	2417.2	2429.7	2442.2	2454.7	2467.2	2479.7	2492.2	2504.7	2517.2	2529.7	2542.2	2554.7	2567.2	2579.7	2592.2	2604.7	2617.2	2629.7	2642.2	2654.7	2667.2	2679.7	2692.2	2704.7	2717.2	2729.7	2742.2	2754.7	2767.2	2779.7	2792.2	2804.7	2817.2	2829.7	2842.2	2854.7	2867.2	2879.7	2892.2	2904.7	2917.2	2929.7	2942.2	2954.7	2967.2	2979.7	2992.2	3004.7	3017.2	3029.7	3042.2	3054.7	3067.2	3079.7	3092.2	3104.7	3117.2	3129.7	3142.2	3154.7	3167.2	3179.7	3192.2	3204.7	3217.2	3229.7	3242.2	3254.7	3267.2	3279.7	3292.2	3304.7	3317.2	3329.7	3342.2	3354.7	3367.2	3379.7	3392.2	3404.7	3417.2	3429.7	3442.2	3454.7	3467.2	3479.7	3492.2	3504.7	3517.2	3529.7	3542.2	3554.7	3567.2	3579.7	3592.2	3604.7	3617.2	3629.7	3642.2	3654.7	3667.2	3679.7	3692.2	3704.7	3717.2	3729.7	3742.2	3754.7	3767.2	3779.7	3792.2	3804.7	3817.2	3829.7	3842.2	3854.7	3867.2	3879.7	3892.2	3904.7	3917.2	3929.7	3942.2	3954.7	3967.2	3979.7	3992.2	4004.7	4017.2	4029.7	4042.2	4054.7	4067.2	4079.7	4092.2	4104.7	4117.2	4129.7	4142.2	4154.7	4167.2	4179.7	4192.2	4204.7	4217.2	4229.7	4242.2	4254.7	4267.2	4279.7	4292.2	4304.7	4317.2	4329.7	4342.2	4354.7	4367.2	4379.7	4392.2	4404.7	4417.2	4429.7	4442.2	4454.7	4467.2	4479.7	4492.2	4504.7	4517.2	4529.7	4542.2	4554.7	4567.2	4579.7	4592.2	4604.7	4617.2	4629.7	4642.2	4654.7	4667.2	4679.7	4692.2	4704.7	4717.2	4729.7	4742.2	4754
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RESUME CASE-
CALCULATED CASE-
LIT

GAPWL: 135.9

[illegible]

44-38861-1000
ALL INFORMATION CONTAINED
HEREIN IS UNCLASSIFIED
DATE 11-14-2013 BY 60322
19/53 REG CLOSED 1/23/77

100-442548

RADIAL DISTANCE 250

PAGE 1.2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

	12.7	2.0	3.0	4.7	6.7	70.0	87.7	94.7	100.0	110.7	120.0	130.0	140.0	157.7	162.0	170.0 (PWL)
1	-3.06	-3.22	3.217	-4.25	-4.15	-3.24	-4.09	-2.72	2.499	.8484	.2826	3.245	6.094			
2	-5.84	-5.47	5.074	-4.51	-4.35	-3.16	-3.66	-2.47	9.417	.5807	.5732	2.871	5.885			
3	-7.62	-6.13	1.956	-4.68	-4.39	-2.42	-3.39	-1.63	1.623	1.831	2.086	4.127	6.092			
4	-5.52	-6.75	7.596	-4.88	-4.33	-2.88	-3.12	-1.33	7.682	2.214	2.381	4.859	5.997			
5	-8.62	-5.66	-3.45	-7.82	-7.68	-5.96	-5.09	1.495	1.331	4.132	2.576	4.263	5.879			
6	-5.32	-5.48	1.394	-3.93	-3.39	-2.18	-2.12	-1.42	1.278	1.431	2.832	5.438	4.243			
7	-5.02	-7.08	2.761	-5.21	-4.09	-2.86	-1.91	-1.29	1.888	.9585	3.013	5.087	3.885			
8	-5.45	-7.46	2.499	-6.26	-4.64	-1.81	-1.54	2.054	1.204	.3866	3.482	4.226	2.516			
9	-3.54	-4.78	5.319	-6.58	-4.47	-3.03	-1.26	.8844	2.054	.7937	1.692	1.469	2.442			
10	-3.88	-3.12	6.336	-3.51	-2.43	-3.72	-2.32	-1.22	1.104	1.939	.805	2.924	2.432			
11	-7.86	-8.14	6.988	-2.79	-2.09	-3.35	-1.92	-3.29	-1.21	1.275	1.989	1.927	1.837			
12	-2.18	-1.65	5.165	-6.67	-5.27	-1.14	-1.63	-1.71	.908	-1.79	2.744	1.664	2.34			
13	-3.59	-3.52	3.439	-3.41	-1.96	-1.93	.4331	-1.09	2.843	2.182	2.367	-3.13	-2.56			
14	-4.94	-3.64	4.698	-2.91	-1.41	-1.96	.5991	-1.848	.9471	.6886	1.884	1.172	-1.15			
15	-3.03	-1.66	4.982	-2.57	-1.99	-2.71	1.745	-1.041	1.359	1.887	1.948	-1.64	-2.77			
16	-3.98	-1.33	4.842	-2.28	-1.64	-1.93	1.488	-1.36	.5338	2.349	1.827	-2.99	-2.86			
17	-5.15	-2.43	5.495	-3.69	-1.89	-2.00	.7838	-1.67	1.245	2.439	2.191	-3.15	-1.73			
18	-4.12	-4.25	5.784	-1.32	-1.88	-1.33	.5781	-1.697	1.894	2.131	.5783	-4.84	-2.16			
19	-1.28	-3.11	3.887	-1.81	.4871	.2222	1.592	2.371	2.613	.3148	-1.78	-3.99	-3.43			
20	-3.18	-3.49	1.199	-2.69	.4318	.292	2.694	1.741	1.169	.8511	-1.31	-1.25	-3.97			
21	-4.62	1.312	-4.85	-3.28	-1.842	1.862	2.893	1.883	.3714	4.282	-1.932	-0.76	-4.64			
22	-4.65	-5.54	4.548	-2.77	-1.11	-2.12	2.803	.5285	2.247	3.827	-1.084	-0.42	-3.25			
23	-4.15	-3.87	5.418	-3.69	-1.46	-1.21	2.149	.8229	3.146	-1.076	-1.51	-0.41	-3.34			
24	-2.49	-3.88	3.813	-1.79	-1.551	-1.581	.5877	.4878	1.348	3.521	.6887	-5.56	-4.72			

E23

File: 10-10-42-01
 - 10-10-42-01
 - 10-10-42-01
 - 10-10-42-01

FAA - 1/10-10-42-01 - PHASE 58 - 5C 10VS 9 DEG CLOSED I/C 2/25/72

24-10-42-01 20-10-42-01 20-10-42-01

DATE: 5/19/77

PAGE: 1

RAPID DISTANCE 250

SOIL PRESSURE LEVELS REDUCED AT STANDARD DAV

LAT.	ANGLES FROM I LET										17.14 (DUL)			
	1	2	3	4	5	6	7	8	9	10				
5	73.42	72.53	73.93	72.27	71.92	73.15	72.72	75.28	77.59	75.14	77.29	79.81	82.75	133.4
10	73.64	71.69	71.94	73.78	72.62	73.81	74.85	75.58	77.70	77.48	79.11	81.91	83.81	136.4
15	72.53	72.72	72.69	72.63	72.47	73.64	74.08	75.53	77.44	77.79	79.92	82.42	82.85	134.3
20	71.39	72.67	71.56	73.67	73.45	74.81	75.73	76.95	78.29	79.18	80.83	81.88	83.42	138.4
25	72.19	82.13	77.76	79.24	79.49	81.37	74.18	82.33	83.41	84.24	87.02	84.87	87.49	138.0
30	72.27	71.47	71.83	73.38	73.72	74.86	75.16	76.24	78.14	78.76	80.90	81.94	88.98	134.9
35	71.69	69.31	73.14	71.74	72.14	73.34	74.84	75.81	76.59	76.56	78.70	81.99	78.69	131.0
40	70.52	67.63	67.43	70.59	72.16	72.18	73.64	74.51	75.58	73.49	76.95	79.35	76.66	132.1
45	69.25	68.25	68.74	68.34	68.25	69.23	71.84	72.36	73.81	78.23	78.85	75.28	74.22	138.0
50	70.68	70.86	71.88	71.87	68.26	67.82	69.94	70.18	72.89	73.38	72.97	77.21	78.21	138.4
55	73.49	72.34	73.22	74.81	73.19	71.99	71.92	78.47	71.74	74.82	77.82	77.18	73.74	138.5
60	74.57	74.96	75.61	79.56	76.06	76.61	75.42	75.79	76.25	76.66	79.97	76.18	73.69	138.9
65	77.44	76.45	75.81	77.12	78.11	79.82	78.42	78.51	83.52	82.47	81.15	79.35	76.87	138.4
70	73.23	75.88	74.63	76.29	76.45	76.87	78.55	78.87	80.94	84.46	88.33	79.82	78.77	138.2
75	74.44	75.24	78.81	88.75	81.33	77.39	81.38	79.82	78.93	78.98	77.94	78.83	76.71	138.8
80	75.88	77.75	82.51	81.19	83.78	83.74	82.96	80.77	83.89	83.29	81.12	77.57	78.63	140.7
85	72.81	74.48	78.42	79.39	79.72	88.56	79.79	77.65	88.70	88.69	79.05	77.43	75.69	138.7
90	73.23	72.74	77.47	77.75	77.11	76.23	77.69	77.38	78.19	77.95	74.71	76.21	75.84	138.9
95	77.48	75.64	75.46	82.98	80.25	79.98	79.89	80.98	81.89	71.41	77.81	79.44	78.88	139.2
100	78.55	86.24	76.83	86.87	81.73	82.86	84.34	83.88	85.49	78.76	81.98	81.93	78.99	148.8
105	82.82	89.42	87.91	88.49	88.93	91.38	90.67	92.89	92.58	89.94	91.89	86.43	83.29	158.8
110	77.24	76.57	82.23	79.93	79.11	79.21	81.16	81.44	82.43	82.47	81.74	81.41	78.82	148.7
115	76.59	76.91	77.18	78.11	77.46	79.11	80.12	81.38	82.88	78.28	79.48	82.79	74.13	148.3
120	80.84	78.81	82.17	82.58	80.57	82.83	82.31	83.38	86.13	83.69	83.23	84.57	78.84	148.8
E24														
CALCULATED CASE														
CALCULATED PDBS														

E24

MEASURED CASPL
CALCULATED CASPL
PDRB

04PHL1 159.3

AIRIT TEMP. 44.4
ATMOSPHERIC TEMP. 34.4
PRESS RE 29.17
ASS. HUMIDITY 24.2

FWA PM 700L PRESS 0 - BASE DB + 74 10VS 9 DEG C/DSEC T/C 2/23/72

RM-42 RM-425 S-4257702

RADIAL DISTANCE 250

DATE: 3/ 9/77

SOIL PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET 30.0 40.0 50.0 60.0 70.0 80.0 90.0 100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 (PUL)

	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0
1.73	-3.13	-1.72	-3.38	-3.75	-2.51	-2.93	-3.76	1.032	-1.589	1.647	3.802	7.393			
2	-4.55	-5.89	4.334	-3.61	-4.97	-3.78	-2.74	-2.81	-1.128	-1.114	1.518	4.310	6.282		
3	-5.79	-5.59	-4.22	-3.69	-4.25	-2.63	-2.24	-1.141	1.472	3.484	4.183	6.334			
4	-5.95	-6.48	-5.79	-3.68	-3.89	-2.54	-1.62	-1.399	1.428	1.932	3.484	4.454	6.374		
1.75	-5.55	-2.62	-4.99	-3.51	-3.26	-1.38	-6.57	-4.15	2.068	3.498	4.271	1.327	4.443		
1.75	-4.41	-5.22	-4.84	-3.37	-3.37	-2.82	-1.53	-4.44	1.412	2.872	2.819	4.381	4.297		
1.6	-3.83	-8.99	-2.17	-3.74	-3.37	-2.17	-6.71	1.808	1.843	3.284	5.473	3.177			
2	-3.13	-5.79	-6.22	-3.43	-3.49	-1.46	-8.09	1.850	1.434	-1.48	2.948	3.784	3.811		
3.45	-1.93	-2.74	-2.42	-2.63	-2.74	-1.76	-8.573	1.379	2.829	-1.798	-1.38	6.793	3.299		
4.2	-1.88	-1.65	-1.841	-1.63	-2.15	-3.89	-1.77	-1.54	3.724	1.681	1.359	5.499	3.484		
5.7	-1.95	-1.11	1.567	1.988	-1.68	-1.88	-1.74	-3.19	-1.59	1.139	3.883	3.527	8.818		
6.3	-4.07	-2.89	-3.46	-2.15	-1.16	-1.567	-1.83	1.832	-1.58	1.527	3.482	1.979	-2.12		
8.2	-2.22	-2.82	-3.46	-2.15	-1.16	-1.567	-1.83	1.832	-1.58	1.527	3.482	1.979	-2.12		
1.27	-4.15	-3.35	-2.312	-1.64	-2.43	-2.19	2.798	1.834	1.452	-1.06	-1.337	-1.547	-3.87		
1.25	-8.16	-3.29	-8.29	-1.339	2.736	2.695	1.918	-1.877	-1.89	1.246	1.278	-2.47	-8.42		
1.62	-6.72	-4.23	-3.89	1.609	1.958	1.832	1.858	-1.08	2.856	1.937	1.119	-1.31	-1.84		
4.7	-3.43	-3.32	-2.12	-1.283	4.682	-4.37	1.982	1.534	1.387	1.144	1.544	1.42			
2502	-1.48	-3.32	-2.49	2.22	1.281	1.943	1.837	2.831	2.931	-4.56	-1.18	1.787	-2.96		
3150	-3.18	-1.49	-4.89	-8.89	1.889	1.327	2.612	1.838	3.714	-2.97	2.264	1.847	-2.74		
4222	-6.49	1.137	-1.39	-8.88	-2.98	2.979	1.370	2.788	1.274	6.343	1.789	-2.87	-6.81		
5202	-2.99	3.57	-1.27	-3.45	-1.13	-1.82	1.228	1.289	2.194	2.249	1.589	1.178	-2.21		
637	-2.69	-2.37	-2.17	-1.18	-1.62	-1.68	1.862	2.819	3.013	-1.88	-1.189	3.515	-3.15		
8027	-1.53	-2.86	-2.129	1.999	-1.89	1.833	-1.68	1.8746	1.857	1.223	1.598	2.382	-3.53		
1622															

E25

A DIRECT TEND 40.27
 A DIRECT TEND 34.82
 A DIRECT TEND 29.17
 A DIRECT TEND 2.944

END DATA/COMPRESS - PHASE 50 + 50. 10VS 9 DEG CLOSED Y/C 2/23/72

END DATA/COMPRESS - PHASE 50 + 50. 10VS 9 DEG CLOSED Y/C 2/23/72

3-18-74

SPRINT 7700

0

DATE: 2/25/77

NANTAL DISTANCE 250

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FR	17.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
40	73.96	73.36	75.12	72.39	72.91	73.77	73.61	75.78	77.36	76.88	78.39	81.29	85.59	134.9						
43	71.95	71.76	82.17	73.85	73.93	74.65	75.75	76.58	77.98	78.48	80.17	83.19	87.24	136.8						
46	70.28	71.22	73.39	73.11	73.69	75.28	75.64	76.84	78.24	78.98	81.28	83.58	86.22	138.3						
49	72.31	72.83	75.24	74.29	75.11	76.38	77.45	78.38	79.18	80.45	82.19	84.98	86.73	137.3						
52	77.56	85.15	86.77	79.29	82.79	88.59	88.18	83.75	87.44	89.66	87.78	86.73	87.79	142.2						
55	72.87	74.57	73.62	73.72	75.54	76.52	76.77	78.23	78.63	88.71	82.78	83.48	84.33	137.3						
58	72.05	71.87	74.12	72.28	73.41	74.58	75.89	77.55	78.34	78.59	81.29	83.46	81.21	135.8						
61	71.61	72.54	67.95	75.19	76.17	72.79	73.88	88.66	77.14	76.86	79.94	83.94	79.42	135.7						
64	66.42	69.47	69.63	69.89	72.36	76.18	71.92	74.76	75.89	73.68	75.96	76.93	76.51	131.6						
67	72.37	72.79	72.39	73.35	69.52	68.63	71.74	72.82	74.34	75.63	73.18	77.38	77.14	131.6						
70	74.64	73.48	76.52	73.74	79.36	82.23	77.13	78.82	73.52	76.94	77.45	78.75	77.68	135.8						
73	75.26	76.38	79.59	76.98	79.37	79.64	78.86	77.66	77.23	77.12	82.13	79.41	76.19	136.8						
76	76.87	78.19	76.79	78.29	79.62	79.42	82.71	83.73	84.49	82.11	83.26	88.56	78.59	139.9						
79	74.25	75.75	76.48	78.24	76.72	77.67	77.74	79.36	81.17	81.16	82.44	88.11	78.03	138.8						
82	73.89	81.61	85.23	85.12	87.56	85.66	85.62	79.38	79.79	81.11	79.49	88.38	77.34	142.4						
85	77.48	75.33	81.17	85.13	85.26	86.32	84.61	82.60	81.71	82.26	79.63	78.29	76.66	142.3						
88	73.65	76.29	78.74	78.68	79.68	79.93	78.51	79.66	88.73	82.18	88.45	76.38	75.66	139.8						
91	74.19	75.34	79.31	78.47	78.47	79.26	77.71	79.27	78.39	78.76	77.82	74.33	73.39	137.8						
94	79.67	78.32	76.59	82.87	82.67	82.32	88.99	83.28	82.19	76.17	77.88	77.84	74.82	148.9						
97	82.97	82.31	76.85	81.68	83.48	83.87	84.99	84.49	84.59	79.52	81.62	78.63	78.33	143.4						
100	85.32	92.37	87.61	89.39	89.17	91.65	92.43	91.99	92.96	92.85	91.59	86.48	86.63	151.9						
103	78.76	78.58	82.44	81.31	86.15	81.42	88.27	83.27	82.44	85.42	81.97	76.33	75.42	143.3						
106	78.63	78.65	77.14	78.25	82.53	81.21	81.32	82.18	83.45	81.83	78.66	76.66	75.38	144.1						
109	81.61	79.88	78.77	83.57	84.48	83.84	81.62	85.84	83.84	83.26	83.13	77.87	76.66	148.6						
112	91.51	94.28	93.91	94.72	95.67	95.97	96.23	96.21	97.27	96.89	97.17	96.74	97.41							
115	91.25	94.22	93.52	94.06	95.46	95.92	96.88	96.13	97.18	96.63	96.54	95.47	96.88							
118	125.7	128.8	127.7	129.2	129.6	128.8	131.1	130.9	131.8	131.5	130.8	127.8	127.4							

CAPILL 136.3

11501 IE 0 42.22
11501 IE 0 34.22
11501 IE 0 29.17
11501 IE 0 2.924

PHASE 58 + 50 IUGS 9 DEG CLOSED Y/C 7/23/78

DATE: 2/25/77

RACIAL DISTANCE 150

PAGE 1 1

SOIL PRESSURE LEVELS REDUCED AT STANDARD DAY

		ANGLES FROM INLET									
		17.2	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
		17.2	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0
5	74.97	74.21	74.17	73.00	73.47	74.49	74.49	76.65	78.05	78.06	80.16
6	71.74	72.39	80.61	73.21	73.97	74.96	75.62	76.99	79.11	79.34	81.33
7	71.64	73.36	73.99	73.97	74.48	76.24	76.67	77.85	79.51	80.65	83.31
1	72.39	72.94	73.15	74.1	75.31	76.86	77.49	78.59	79.81	81.37	82.97
125	72.41	72.32	74.67	76.07	79.48	80.22	79.99	82.38	85.58	89.93	88.94
16	73.69	74.17	73.99	75.46	77.92	78.64	78.41	80.29	83.09	87.48	85.97
21	73.51	71.71	73.156	72.56	73.73	74.98	76.48	77.86	79.54	79.89	81.56
25	71.03	69.46	68.38	72.03	71.93	73.63	74.52	76.99	79.64	76.84	80.88
315	70.15	70.44	70.56	72.56	72.93	70.72	72.39	74.77	77.94	75.15	75.88
420	73.64	72.81	73.93	74.19	71.83	73.29	74.81	76.81	74.83	77.03	75.72
52	73.54	74.59	77.44	75.23	75.22	77.04	75.65	75.89	76.48	78.70	81.39
63	78.95	77.84	81.24	81.49	82.04	79.43	81.53	84.12	81.94	80.71	83.35
107	78.39	80.71	79.56	80.86	83.83	83.42	83.44	83.15	83.74	87.51	84.99
125	73.32	70.93	76.29	77.13	78.94	78.55	78.84	79.94	80.99	82.47	83.99
160	76.44	83.69	83.44	87.82	85.98	85.45	84.32	81.88	80.40	81.88	79.91
220	77.29	80.12	81.47	85.84	84.19	84.71	84.73	82.78	82.71	83.55	82.98
315	75.12	73.83	81.54	80.83	80.08	80.22	80.31	80.80	80.28	81.92	78.29
420	78.84	77.36	79.29	85.86	84.05	83.27	83.46	83.49	83.63	77.88	78.80
520	80.46	81.88	77.36	82.93	83.32	83.86	85.19	85.08	85.24	79.92	82.89
630	83.48	83.96	85.18	88.32	84.34	90.56	91.85	90.52	91.91	91.45	88.18
800	79.76	79.07	81.76	82.75	80.96	82.73	83.81	84.30	84.56	80.84	82.83
1000	80.19	80.73	79.13	80.11	81.80	83.37	84.43	84.84	85.98	81.66	79.94
	80.72	79.12	78.29	81.56	82.57	83.51	84.19	85.59	88.13	85.81	84.79
	91.95	92.78	93.49	95.42	95.16	95.79	96.39	96.37	97.93	98.45	97.16
	91.29	92.18	93.21	95.31	94.84	95.93	96.54	96.49	97.99	97.98	97.85
	103.2	126.6	107.2	129.3	108.3	110.6	111.4	111.0	113.2	111.7	109.9

OAPULI

150.7

A 1 - TEMP, 44.22
B - TEMP, 35.00
C - PRESS, 29.17
D - JULY, 24.21

TEST - PHASE 5B + DC IGVS 9 DEG CLOSED T/T 2/23/77

SPR-50310

2.517

0

RADIAL DISTANCE 250

PAGE 1

SOONAL PRESSURE LEVELS REDUCED AT STANDARD DAY

	10.0	20.2	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
5	75.47	75.21	74.89	73.47	74.26	78.84	74.98	70.12	79.91	70.29	68.60	64.21	69.34	137.6						
10	72.54	72.98	72.88	73.92	74.64	77.92	76.46	78.47	79.39	76.65	82.06	83.33	90.89	138.6						
15	71.76	73.39	74.29	75.06	78.00	77.38	79.07	80.29	81.21	83.33	85.89	88.51	138.5							
20	73.17	73.62	74.49	75.66	76.41	78.39	78.67	80.32	81.13	82.36	84.26	87.52	88.46	139.4						
25	75.77	77.78	76.42	77.29	80.81	79.16	79.96	84.17	86.38	87.76	87.24	87.78	89.83	140.4						
30	76.87	77.13	77.92	78.33	82.94	79.79	88.50	86.39	88.38	98.45	89.18	87.96	87.87	141.3						
35	73.48	71.82	73.83	73.43	74.72	75.92	77.21	78.58	79.58	79.42	82.81	85.81	81.97	137.2						
40	71.16	69.53	68.77	70.22	72.67	74.12	75.32	76.88	78.39	75.36	80.88	81.89	79.17	134.5						
45	69.96	71.45	71.43	78.39	71.22	77.86	75.81	74.99	88.32	74.84	77.88	78.22	79.77	133.9						
50	73.79	71.77	73.55	74.38	71.21	77.53	75.88	73.19	74.95	76.88	78.83	79.53	79.32	133.7						
55	75.31	74.72	77.34	76.81	77.25	77.31	76.93	76.87	78.91	79.58	82.86	80.41	78.24	136.8						
60	76.98	77.38	81.22	80.88	81.43	82.03	82.13	82.18	83.17	81.71	87.38	82.74	79.89	140.4						
65	77.18	79.22	81.67	85.45	84.87	83.88	84.15	83.77	86.23	87.59	88.80	83.77	51.92	143.1						
70	74.49	76.46	76.96	79.88	78.96	78.96	79.54	88.39	81.39	82.77	85.62	82.89	82.29	139.2						
75	77.89	80.38	83.25	84.64	85.84	84.33	84.63	81.83	81.54	82.84	81.80	88.68	78.48	141.9						
80	77.83	80.82	83.05	85.28	85.98	84.82	84.19	82.32	83.26	85.68	83.35	88.89	78.16	141.1						
85	75.42	78.65	84.17	81.96	82.05	82.66	82.34	80.81	81.57	83.12	82.91	79.81	78.97	141.1						
90	75.05	76.45	81.36	81.96	80.18	81.10	79.59	88.63	88.99	82.84	78.87	73.78	74.94	140.1						
95	79.49	78.44	77.67	84.62	83.57	83.39	81.83	84.39	83.04	78.39	78.09	79.28	76.42	140.2						
100	81.81	83.82	77.14	83.73	84.31	84.16	83.82	84.86	88.86	88.87	83.67	82.19	78.92	144.3						
105	82.96	87.85	85.83	85.72	82.93	87.66	98.19	89.51	91.59	91.33	87.16	81.88	82.87	149.3						
110	88.11	81.57	82.45	83.81	82.67	83.87	84.13	85.23	96.19	88.11	88.54	77.97	77.42	146.8						
115	79.28	84.77	78.23	78.48	79.81	81.39	82.11	82.88	84.53	88.36	88.12	77.14	76.54	144.8						
120	78.38	78.63	77.25	79.96	80.94	81.44	81.88	84.89	85.56	85.84	85.28	76.71	75.68	147.9						
125	91.88	92.94	94.09	93.37	95.44	95.84	96.21	96.79	98.42	98.92	98.40	98.38	99.31							
130	98.94	92.85	93.73	94.96	94.92	95.44	96.84	96.55	98.14	98.48	97.45	96.96	97.92							
135	104.9	107.5	107.4	108.5	108.1	108.4	110.6	110.6	112.2	111.9	109.9	106.8	106.5							

04PWL1 156.5

125	44.00
130	35.00
135	29.17
140	2.821

PHASE 5B - 5C 10VS 9 DEG CLOSE T/D 2/23/72

145	10VS 9 DEG CLOSE T/D 2/23/72
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150	10VS 9 DEG CLOSE T/D 2/23/72
-----	------------------------------

155	10VS 9 DEG CLOSE T/D 2/23/72
-----	------------------------------

160	10VS 9 DEG CLOSE T/D 2/23/72
-----	------------------------------

165	10VS 9 DEG CLOSE T/D 2/23/72
-----	------------------------------

170	10VS 9 DEG CLOSE T/D 2/23/72
-----	------------------------------

175	10VS 9 DEG CLOSE T/D 2/23/72
-----	------------------------------

180	10VS 9 DEG CLOSE T/D 2/23/72
-----	------------------------------

185	10VS 9 DEG CLOSE T/D 2/23/72
-----	------------------------------

190	10VS 9 DEG CLOSE T/D 2/23/72
-----	------------------------------

195	10VS 9 DEG CLOSE T/D 2/23/72
-----	------------------------------

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

	17.7	21	37.3	47.2	57.7	57.8	70.2	89.2	90.8	100.3	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
17.7	-4.35	-4.39	-4.91	-6.34	-5.35	-1.76	-4.82	-1.09	-1.79	-1.52	.882	4.081	9.328							
21	-6.22	-7.81	-1.61	-6.04	-6.12	-2.06	-4.30	-2.39	-1.39	-1.11	1.297	4.973	9.330							
37.3	-8.74	-7.11	-6.41	-6.21	-5.15	-2.50	-3.12	-1.44	-1.13	.7843	2.822	5.387	8.811							
47.2	-5.22	-7.77	-6.99	-5.71	-4.96	-2.99	-2.09	-1.35	.241	.9911	2.890	6.155	7.889							
57.7	-8.14	-6.14	-7.49	-6.62	-3.11	-4.76	-3.96	-2.928	2.481	3.842	3.319	3.888	3.113							
57.8	-9.41	-8.23	-7.56	-7.16	-2.54	-5.69	-4.98	-3.179	3.488	4.973	3.708	2.481	2.182							
70.2	-5.19	-7.89	-4.84	-5.28	-3.93	-2.76	-1.47	-1.74	.9283	.7482	4.131	6.339	3.291							
89.2	-4.84	-6.47	-7.23	-5.78	-3.34	-1.88	.683	.8759	2.583	.441	4.078	5.885	3.181							
90.8	-5.29	-3.79	-3.81	-4.85	-4.04	-3.19	-2.38	-2.47	4.974	.384	1.833	2.916	4.922							
100.3	-1.16	-3.19	-1.41	-6.62	-3.75	-4.43	-2.16	-1.78	.817	1.119	3.866	4.588	4.300							
110.0	-2.59	-3.24	-3.97	-1.15	-7.08	-6.92	-4.83	-1.89	.8538	1.083	4.982	2.493	.2799							
120.0	-4.45	-4.11	-3.92	-5.52	.8107	.692	.7188	.7681	1.755	.2918	2.966	1.319	-2.12							
130.0	-6.95	-4.81	-2.36	1.422	.8356	-1.35	.1175	.261	2.281	3.356	.7667	.261	-2.12							
140.0	-5.47	-3.52	-3.82	-2.79	-1.00	-9.96	-4.16	.4388	1.486	2.886	2.659	2.925	.3374							
150.0	-5.32	-2.17	.8388	2.228	2.620	1.933	2.213	-1.39	-.938	-.376	-.814	-1.88	.374							
160.0	-5.75	-2.76	-3.33	1.083	2.926	1.239	.8159	.862	.877	2.225	.8678	-2.48	.812							
170.0	-6.82	-2.78	2.733	.9228	.6193	1.239	.941	.619	.1393	1.931	1.476	-1.82	-2.96							
180.0	-4.82	-3.41	1.497	3.139	1.312	-1.274	.7672	1.129	2.975	-.996	-4.88	-4.92								
190.0	-2.17	-3.22	-3.99	2.934	1.933	1.729	.1889	2.731	2.274	-3.27	-2.77	-2.38	.374							
200.0	-2.89	-2.76	-5.96	.6346	1.214	1.362	1.922	1.765	2.958	-2.222	-4.23	-2.98	.417							
210.0	-1.83	-7.43	-1.98	-2.83	.4.86	-.128	2.283	1.723	3.884	3.366	-.391	-6.71	-8.72							
220.0	-3.47	-2.21	-1.12	-3.559	-2.90	.584	.5949	1.662	2.619	4.337	.9642	-5.60	-6.17							
230.0	-1.41	.2812	-2.26	-2.81	-.678	.8957	1.916	1.588	4.839	-.131	-.388	-3.38	-3.93							
240.0	-3.34	-3.89	-4.48	-1.77	-.783	-.279	.8763	2.369	3.836	3.316	1.476	-5.82	-6.86							

E33

1. 516.7 TMS: 44.8X
2. 516.7 TMS: 35.12
3. 516.7 TMS: 29.17
4. 516.7 TMS: 2.921

FAA - 410-PROCESSOR - PHASE 9B + 9C 10VS 9 DE0 CLOSED T/D 2/23/70

90319 90318 SPECIMEN500

DATE: 3/05/72

PAGE: 1

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET									
	0	12.0	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0
50	74.42	67.83	70.14	62.26	51.52	43.35	43.65	44.34	45.14	44.69
63	74.31	63.49	60.14	60.71	60.02	63.13	69.00	61.18	66.55	68.76
80	71.37	64.84	62.32	61.30	60.18	61.81	61.97	63.37	64.95	64.98
100	73.10	65.58	60.38	61.82	61.09	61.94	62.25	63.87	63.48	64.28
125	73.87	75.27	61.33	61.94	62.79	63.47	63.99	64.78	65.48	66.48
150	74.27	66.42	66.83	61.93	64.11	65.37	65.83	65.61	66.88	67.98
175	74.41	63.92	70.65	58.72	62.17	62.86	64.54	63.37	64.45	64.17
200	74.49	62.77	59.31	56.74	60.17	61.80	63.16	61.68	62.76	60.69
250	74.95	64.84	65.04	58.82	61.65	60.89	62.25	60.85	62.25	60.21
315	73.54	63.13	62.72	58.29	58.21	59.11	58.53	57.24	59.31	62.18
400	74.08	67.36	65.36	62.69	62.33	62.93	61.99	61.71	61.10	62.57
500	74.12	78.58	67.18	67.74	67.83	65.93	66.24	65.58	67.86	65.82
630	73.81	71.18	67.81	67.66	67.73	67.21	67.89	68.31	70.23	69.19
800	72.91	70.22	67.79	68.18	66.58	66.95	66.83	67.93	69.25	70.38
1000	75.94	75.85	73.83	70.48	68.88	68.14	69.25	69.55	70.47	69.32
1250	76.59	76.06	74.95	72.12	71.84	71.46	72.06	73.49	73.97	73.11
1500	78.57	74.83	73.43	68.57	67.84	67.73	68.25	69.43	71.37	73.14
2000	73.96	72.39	74.29	71.72	69.16	68.78	68.96	71.28	72.89	73.14
2500	81.33	78.84	77.16	82.69	82.51	77.21	77.18	79.34	84.38	76.46
3150	76.82	76.52	69.28	75.81	71.18	72.81	74.33	73.15	77.76	72.14
4000	74.19	74.64	71.97	70.54	69.9	69.85	72.08	72.89	74.94	75.92
5000	76.34	75.88	76.64	77.39	74.63	74.83	73.49	81.27	77.92	79.12
6300	76.30	75.49	71.76	78.54	78.94	78.30	78.54	73.62	79.66	78.01
8000	76.33	74.86	72.27	73.19	72.31	71.49	71.75	73.81	73.85	73.88
10000										

MEASURED CASPL
CALCULATED CASPL
PND8

0APHLI 146.7

AMBIENT TEMP: 44.87
WET-BULB TEMP: 35.87
BAR. PRESSURE 29.17
ABS. HUMIDITY 2.1621

FAA FAN/COMPRESSOR - PHASE 5B + 5C 1QVS 9 DEG CLOSED Y.E. 2/23/70

RU=15 RLG=10: SPEED=5000

SOURCE PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	2101	2102	2103	2104	2105	2106	2107	2108	2109	2110	2111	2112	2113	2114	2115	2116	2117	2118	2119	2120	2121	2122	2123	2124	2125	2126	2127	2128	2129	2130	2131	2132	2133	2134	2135	2136	2137	2138	2139	2140	2141	2142	2143	2144	2145	2146	2147	2148	2149	2150	2151	2152	2153	2154	2155	2156	2157	2158	2159	2160	2161	2162	2163	2164	2165	2166	2167	2168	2169	2170	2171	2172	2173	2174	2175	2176	2177	2178	2179	2180	2181	2182	2183	2184	2185	2186	2187	2188	2189	2190	2191	2192	2193	2194	2195	2196	2197	2198	2199	2200	2201	2202	2203	2204	2205	2206	2207	2208	2209	2210	2211	2212	2213	2214	2215	2216	2217	2218	2219	2220	2221	2222	2223	2224	2225	2226	2227	2228	2229	2230	2231	2232	2233	2234	2235	2236	2237	2238	2239	2240	2241	2242	2243	2244	2245	2246	2247	2248	2249	2250	2251	2252	2253	2254	2255	2256	2257	2258	2259	2260	2261	2262	2263	2264	2265	2266	2267	2268	2269	2270	2271	2272	2273	2274	2275	2276	2277	2278	2279	2280	2281	2282	2283	2284	2285	2286	2287	2288	2289	2290	2291	2292	2293	2294	2295	2296	2297	2298	2299	2300	2301	2302	2303	2304	2305	2306	2307	2308	2309	2310	2311	2312	2313	2314	2315	2316	2317	2318	2319	2320	2321	2322	2323	2324	2325	2326	2327	2328	2329	2330	2331	2332	2333	2334	2335	2336	2337	2338	2339	2340	2341	2342	2343	2344	2345	2346	2347	2348	2349	2350	2351	2352	2353	2354	2355	2356	2357	2358	2359	2360	2361	2362	2363	2364	2365	2366	2367	2368	2369	2370	2371	2372	2373	2374	2375	2376	2377	2378	2379	2380	2381	2382	2383	2384	2385	2386	2387	2388	2389	2390	2391	2392	2393	2394	2395	2396	2397	2398	2399	2400	2401	2402	2403	2404	2405	2406	2407	2408	2409	2410	2411	2412	2413	2414	2415	2416	2417	2418	2419	2420	2421	2422	2
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1	7.824	1.221	3.532	4.35	5.09	7.26	2.96	2.27	1.47	1.92	1.97	2.13	3.886
2	3.822	7.188	9.055	9.71	18.5	7.34	1.49	0.31	1.94	4.73	4.28	4.17	1.26
3	6.772	12461	2.125	3.22	4.42	2.79	2.62	1.22	1.10	3.88	7.37	3.93	1.472
4	6.438	9.339	4.29	3.04	3.57	2.73	2.41	1.96	1.19	3.87	2.68	1.477	2.795
125	6.537	7.929	6.21	5.46	4.54	2.67	3.35	2.55	1.15	1.85	1.19	1.15	3.787
167	6.941	1.989	1.27	5.39	3.22	1.96	1.69	1.72	1.63	1.64	1.64	1.64	2.881
227	6.381	2.116	4.586	6.36	3.08	7.81	1.33	2.71	1.65	1.73	1.73	1.73	1.43
257	9.724	1.995	4.46	7.83	3.59	1.97	1.89	3.89	1.91	3.67	3.67	3.67	1.41
275	10.63	5.884	7.259	6.29	2.07	2.23	2.07	4.27	1.87	1.10	3.16	1.29	1.38
403	10.44	2.322	3.84	3.51	4.89	3.49	4.57	5.64	3.79	3.38	2.44	1.19	1.19
527	9.769	3.448	6.449	3.53	2.73	1.79	2.73	3.88	1.56	3.14	4.48	2.31	4.10
637	6.787	3.633	3.231	3.288	1.86	1.48	1.18	1.92	2.35	1.99	3.86	1.20	4.67
802	5.186	2.947	1.62	1.787	1.99	1.42	1.29	1.92	1.83	3.83	3.83	3.21	2.21
1262	4.451	1.759	1.69	1.82	1.80	1.51	1.63	1.51	1.13	2.88	3.28	1.11	1.24
1322	3.565	4.499	2.632	2.275	1.82	1.25	1.15	2.33	1.87	1.88	2.45	1.24	1.24
1507	2.518	3.086	1.381	1.947	1.23	1.61	1.81	1.83	1.854	1.827	1.828	2.91	4.69
1937	2.931	3.116	3.216	2.34	1.57	1.53	2.36	1.19	1.84	2.33	1.47	1.98	2.33
2396	2.933	1.793	3.283	3.627	1.67	1.25	2.87	2.52	1.65	2.19	1.18	3.08	1.92
316	1.741	1.793	3.399	2.928	1.67	1.25	2.87	2.52	1.65	2.19	1.18	3.08	1.92
4000	2.658	2.358	1.26	1.49	1.88	1.25	3.667	1.88	2.598	2.82	1.617	1.23	1.17
5000	1.658	2.113	1.69	1.74	2.69	1.667	1.667	2.395	3.384	2.395	2.395	2.395	2.395
6000	2.702	1.55	1.82	1.99	2.41	2.14	4.63	1.282	2.481	1.704	1.704	1.704	1.704
8000	4.888	3.273	1.88	1.67	1.77	1.17	1.97	1.58	3.779	2.471	2.471	2.471	2.471
10000	5.249	1.575	1.14	1.198	1.71	1.59	1.33	1.828	7.805	7.219	1.976	1.976	1.976

AMBIENT TEMP.	44.40
RET-PLT TEMP.	35.02
HR. PRESSURE	29.17
ABS. HUMIDITY	2.21

FAA FA /COMPRESSOR - PHASE SB • 5C IQVS 9 DEG CLOSED T/D 2/23/79

RDG=15;
SPE=05000

RADIAL DISTANCE 252

PAGE 1 2

SCANS PRESSURE LEVELS DIRECTIVITY INDEX

	17.0	2.0	30.2	47.2	59.2	67.2	70.2	80.2	92.2	100.0	110.0	120.0	130.0	140.0	150.0	160.0 (PWL)
1	9.545	3.312	1.962	-2.57	-3.34	-4.52	-4.92	-4.92	-3.22	-1.25	-2.15	-2.15	-1.42	-1.42	1.549	
2	7.539	-7.54	8.367	-8.77	-8.32	-7.19	-2.09	-7.36	-3.19	-2.33	-4.31	-4.31	-2.69	-2.69	1.880	
3	14.59	-2.31	-5.35	-5.78	-5.57	-4.92	-4.07	-2.02	-2.41	-1.08	-1.49	-1.49	-1.07	-1.07	1.880	
4	9.493	-4.72	-4.78	-5.27	-5.05	-4.13	-3.62	-6.73	-1.17	-0.85	1.209	1.209	1.202	1.202	1.772	
5	9.565	4.282	-6.85	-5.98	-5.11	-4.67	-4.87	-3.22	-2.52	-1.74	-1.37	-1.37	-0.46	-0.46	1.674	
6	14.58	-8.78	-3.87	-6.45	-5.95	-4.37	-3.33	-2.91	-2.11	-1.46	-0.98	-0.98	-0.27	-0.27	1.880	
7	12.49	-6.21	1.332	-7.16	-5.36	-5.34	-3.55	-2.91	-2.11	-1.46	-0.98	-0.98	-0.27	-0.27	1.880	
8	12.25	-8.29	-9.16	-7.2	-6.77	-7.11	-4.99	-4.69	-3.44	-2.49	-2.07	-2.07	-2.47	-2.47	1.772	
9	12.42	-4.69	-2.63	-7.82	-5.31	-6.23	-4.59	-7.03	-4.44	-6.63	-6.08	-6.08	-7.15	-7.15	-0.61	
10	12.49	-4.22	-2.64	-7.21	-7.23	-9.33	-6.31	-13.3	-7.30	-4.86	-6.34	-6.34	-4.49	-4.49	1.33	
11	11.66	-2.58	-1.26	-4.59	-3.84	-4.31	-4.25	-5.29	-5.06	-4.89	-2.33	-2.33	-4.42	-4.42	1.772	
12	12.62	-6.61	-2.37	-2.52	-2.54	-2.76	-2.79	-2.92	-1.00	-1.00	-1.14	-1.14	-1.14	-1.14	1.772	
13	12.15	-1.00	-3.41	-2.15	-3.45	-3.79	-2.44	-2.18	-1.39	-1.39	-1.39	-1.39	-2.98	-2.98	1.772	
14	9.958	-1.39	-2.23	-2.35	-3.84	-4.71	-4.15	-2.63	-1.38	-1.38	-1.38	-1.38	-2.28	-2.28	1.772	
15	9.325	2.484	1.204	-1.29	-1.95	-2.46	-2.81	-3.81	-2.92	-2.92	-2.92	-2.92	-2.92	-2.92	1.772	
16	8.189	1.121	-0.89	-1.56	-2.09	-2.10	-1.96	-0.755	-0.99	-0.99	-0.99	-0.99	-0.99	-0.99	1.772	
17	7.772	1.932	1.455	-2.62	-4.25	-4.10	-2.98	-2.89	-1.95	-1.95	-1.95	-1.95	-1.95	-1.95	1.772	
18	7.656	-3.39	1.614	-1.73	-3.42	-3.71	-2.59	-3.41	-1.88	-1.88	-1.88	-1.88	-1.88	-1.88	1.772	
19	4.669	1.972	-5.14	-1.239	-2.35	-2.84	-1.49	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08	1.772	
20	5.147	1.973	-5.14	-1.239	-2.35	-2.84	-1.49	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08	1.772	
21	5.633	-1.271	-2.19	-2.73	-4.72	-3.63	-2.89	-2.89	-3.14	-3.14	-3.14	-3.14	-3.14	-3.14	1.772	
22	5.147	1.973	-5.14	-1.239	-2.35	-2.84	-1.49	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08	-1.08	1.772	
23	5.768	3.41	1.913	-1.77	-1.78	-1.85	-0.42	-0.42	-1.12	-1.12	-1.12	-1.12	-1.12	-1.12	1.772	
24	5.642	3.469	-1.89	-1.86	-2.35	-2.19	-0.42	-0.42	-1.12	-1.12	-1.12	-1.12	-1.12	-1.12	1.772	
25	8.134	-1.41	-3.58	-1.86	-1.72	-3.11	-1.84	-1.128	-1.543	-1.543	-1.543	-1.543	-1.543	-1.543	1.772	

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E37

2000 1000 44.2
2000 1000 35.0
2000 1000 29.1
2000 1000 24.2

2000 1000 20 1000 9 DEG CLOSED Y/D 2/23/78

2000 1000

DATE: 3/27/77

PAGE: 1

RAIAL DISTANCE 250

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	17.0	24.0	32.0	40.0	50.0	62.0	72.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PHL)
51	70.40	68.10	72.97	67.40	65.44	66.43	66.85	67.90	71.21	70.19	68.52	69.79	72.71	187.3			
53	70.77	65.31	69.24	65.67	64.52	66.43	67.73	66.51	78.32	71.78	68.46	70.46	72.75	189.8			
55	72.08	63.02	64.23	63.94	63.81	65.29	65.54	66.65	68.47	69.24	68.52	69.06	71.46	189.7			
57	76.72	63.26	67.12	68.79	67.67	67.74	68.77	70.83	71.25	72.35	71.42	73.23	73.73	189.0			
125	77.38	74.15	64.81	65.46	65.53	66.03	66.93	68.13	69.97	72.00	69.48	70.81	73.13	187.0			
127	76.95	62.89	66.39	64.13	63.17	63.99	66.77	67.83	69.26	68.82	69.49	69.69	69.84	187.8			
129	77.43	64.54	71.14	65.04	67.23	68.27	68.06	68.64	68.64	69.59	70.19	71.39	69.23	184.9			
22	76.69	66.87	61.82	65.43	62.58	63.81	64.53	65.45	66.36	63.93	66.95	66.55	66.82	184.2			
24	77.09	62.53	65.61	59.86	62.91	61.54	64.98	61.67	65.51	62.79	63.43	62.31	65.24	188.1			
35	77.61	63.68	65.71	62.89	61.79	59.51	62.92	68.49	62.77	63.69	62.73	64.88	64.84	188.7			
42	78.12	67.87	68.36	65.91	65.73	65.95	65.08	62.87	63.08	66.81	67.28	65.37	65.19	189.3			
50	78.02	71.16	72.08	69.64	69.67	69.34	68.74	68.19	69.64	68.43	70.98	68.53	69.69	189.5			
53	78.69	72.97	73.74	70.48	72.71	70.32	71.49	70.97	72.98	72.59	72.08	69.44	69.54	189.8			
92	79.10	71.87	71.99	70.91	69.78	69.59	70.68	71.41	73.81	74.48	73.57	71.34	69.68	189.0			
125	80.51	76.66	76.81	73.91	72.27	70.17	71.68	70.92	73.99	73.61	73.02	69.11	69.08	189.0			
127	82.26	78.84	77.81	75.35	74.89	74.81	76.01	75.37	76.56	76.89	76.74	71.81	70.72	189.0			
162	80.41	78.47	76.83	72.63	71.14	71.87	73.82	74.32	76.31	78.49	77.98	71.72	71.31	189.8			
2000	80.61	75.38	77.48	74.61	72.82	72.33	72.66	74.35	75.51	76.63	74.88	73.84	73.84	189.8			
2500	84.26	81.51	76.85	81.96	79.16	78.02	80.56	81.89	82.51	75.40	78.73	78.19	73.83	189.8			
3150	86.95	88.65	88.42	88.42	85.32	85.84	87.23	84.86	88.23	88.42	85.49	81.33	80.23	189.8			
4000	81.43	77.78	76.84	74.76	72.61	73.04	77.79	76.21	80.24	81.28	79.77	71.03	73.22	189.8			
5000	82.89	75.54	78.81	77.84	75.26	75.12	78.54	78.77	80.63	81.68	77.73	71.03	70.75	189.8			
6300	84.74	81.21	79.28	79.83	78.67	77.81	78.38	81.16	80.53	82.27	79.88	76.13	75.23	189.8			
8000	84.45	78.83	75.24	76.81	74.99	74.88	75.86	78.71	78.78	79.82	71.88	72.13	72.13	189.8			
MEASURED GASEL	98.11	91.13	88.77	98.82	87.94	87.76	89.29	89.29	91.05	89.93	89.72	86.22	85.09				
CALCULATED GASEL	94.74	91.08	88.95	98.95	89.58	88.35	90.89	90.89	92.49	90.18	90.36	86.29	85.09				
P125	189.12	187.2	182.7	188.5	184.2	183.9	185.8	185.4	187.0	185.5	185.3	181.8	180.9				

GAPHLI 189.0

AMBIENT TEMP. 44.00
WET-BULB TEMP. 35.00
BAR PRESSURE 29.17
ASL 2.021

FAA FAN/COMPRESSOR - PHASE 5B - 5C (UWS 9 DEG CLOSED T/D 2/23/78)

RUN:15 130187 SPEED:5750

E38

DATE: 5/5/72

RADIAL DISTANCE 250

PAGE 1 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

72.0 82.0 90.0 100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 (PUL)

54	1.957	-1.42	1.433	-2.37	-4.36	-3.09	-2.67	-1.37	1.037	0.746	-1.00	2.304	3.103
58	4.867	-6.59	6.356	-6.30	-1.39	-5.48	-2.10	-5.39	-1.50	-2.80	-3.45	-1.45	1.0412
62	7.321	-3.96	3.155	-3.82	-3.98	-2.49	-2.24	-1.13	0.884	1.462	7.339	2.301	1.043
66	6.105	-4.29	-3.43	-3.76	-2.88	-2.79	-3.78	-1.521	0.693	1.391	1.300	2.086	2.119
70	7.665	4.433	-5.71	-4.26	-4.19	-3.49	-2.79	-1.56	-7.51	1.362	-0.044	1.809	2.428
74	8.361	-5.49	-2.19	-4.46	-3.48	-2.64	-1.83	-7.64	0.738	2.808	1.296	1.000	1.240
78	7.648	-5.24	1.578	-4.49	-2.55	-1.32	-1.53	-9.39	0.708	0.339	0.166	1.812	1.309
82	10.17	-6.45	-5.50	-7.99	-3.97	-3.51	-1.99	-1.07	-1.59	-2.57	1.312	1.330	1.315
86	11.06	-4.11	-1.82	-6.78	-3.72	-5.89	-1.68	-2.96	-1.13	-3.84	3.320	-4.32	-1.139
90	11.24	-2.77	-6.57	-4.32	-4.57	-6.76	-3.45	-5.87	-3.39	-1.67	-3.62	-1.52	-1.533
94	10.27	-7.80	5.142	-1.94	-2.12	-2.18	-1.73	-4.90	-4.35	-1.84	-6.66	-2.06	-1.63
98	8.404	0.442	3.663	-1.59	-1.63	-1.77	-1.78	-3.32	-6.53	-2.88	1.808	1.199	-4.81
102	6.975	0.446	-1.18	-1.44	-1.21	-1.68	-1.29	-1.56	1.020	0.886	0.542	-2.28	-2.338
106	6.915	-3.19	-1.89	-1.28	-2.41	-2.59	-1.51	-1.76	0.295	2.233	1.379	1.948	-2.338
110	7.103	3.252	2.831	0.309	1.14	3.24	-1.76	-2.49	-1.41	3.096	-1.59	-4.36	-4.33
114	5.947	2.609	1.431	1.500	1.46	1.54	1.340	0.806	0.808	1.737	3.888	4.174	-5.63
118	5.259	1.522	1.887	-2.32	-4.81	-3.28	-2.12	-0.828	0.978	3.070	2.431	3.43	-3.84
122	6.221	7.144	2.895	0.198	-2.76	-2.86	-1.93	-1.255	0.234	2.048	-0.583	-0.16	-4.34
126	4.339	1.785	-2.96	2.399	-6.41	-0.884	0.983	1.298	0.888	-4.732	-1.97	-4.01	-8.07
130	1.377	3.376	6.14	2.804	-2.58	-0.36	1.048	0.839	2.058	0.16	0.804	4.84	-8.22
134	4.994	4.437	-1.29	-2.58	-1.73	-3.49	1.587	-0.33	2.983	3.424	2.434	8.76	-4.12
138	5.878	-2.29	1.705	0.280	-4.56	-2.71	-2.229	0.391	2.798	3.275	0.309	-4.78	-7.38
142	3.869	0.631	-1.57	-1.79	-3.18	-3.04	-2.49	0.145	5.881	1.487	-0.965	-4.71	-5.62
146	7.068	0.468	-2.14	-0.572	-2.39	-2.70	-1.92	-1.725	1.325	2.397	1.634	-8.42	-5.24

E39

AMBIENT TEMP: 44.30
WET-BULB TEMP: 35.80
BAR. PRESSURE: 29.19
ASS. HUMIDITY: 2.921

FAA FAN/COMPRESSOR - PHASE 50 - 5C IQVS 9 DBQ CLOSED T/D 2/23/70

FAN SPEED 3750

DATE: 5/1/77

RACIAL DISTANCE 250

PAGE: 1

SOURCE PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLE FROM INLET	ANGLE FROM INLET										CALCULATED GASPL	CALCULATED GASPL
	17.2	21.2	25.2	29.2	33.2	37.2	41.2	45.2	49.2	53.2		
51	75.12	77.72	76.72	65.19	65.34	66.30	66.54	69.43	72.24	69.02	69.10	74.00 73.92
53	75.12	53.52	51.21	64.91	64.02	66.23	70.23	68.92	71.44	71.00	70.78	71.05 74.07
57	76.74	42.55	54.10	64.50	64.12	65.91	66.37	68.13	70.84	68.09	70.26	71.00 73.30
121	75.45	55.37	55.69	65.39	68.27	68.34	68.54	71.22	71.37	72.62	73.01	74.42 74.53
123	70.45	74.16	54.17	65.71	62.87	60.42	67.33	68.92	70.80	70.41	71.51	72.10 72.81
125	70.42	63.02	66.45	64.48	65.73	66.59	67.70	68.81	70.23	69.87	71.41	71.36 72.84
227	75.25	54.24	71.81	65.71	67.08	70.19	68.33	68.53	69.31	71.82	71.41	71.06 70.61
251	71.43	52.23	55.73	55.32	61.49	62.58	63.46	65.83	66.13	64.53	67.96	68.29 67.09
315	74.21	52.92	60.28	58.02	61.23	62.81	64.04	64.83	66.44	63.69	64.93	63.97 66.16
407	74.24	64.27	56.12	65.84	68.06	68.01	68.33	61.18	62.52	63.22	64.31	64.88 65.44
521	75.44	57.74	58.93	67.27	66.92	66.55	68.22	63.23	64.71	65.54	68.27	67.11 68.82
537	70.46	71.77	71.37	71.47	70.36	70.41	70.81	70.39	70.66	69.01	72.20	69.08 69.85
571	70.95	73.93	71.72	71.78	72.67	74.85	71.89	72.87	74.81	73.03	74.34	71.44 70.09
1793	70.13	73.27	71.94	71.26	69.26	69.97	70.50	71.57	73.16	74.20	75.46	73.36 71.27
1500	77.41	76.89	76.34	75.88	73.77	73.74	73.73	72.89	73.31	72.83	72.77	71.21 40.84
2250	82.34	84.25	79.32	76.02	75.78	75.66	76.47	77.14	77.37	78.71	76.98	72.99 73.26
2020	77.26	77.71	77.57	73.76	71.98	73.00	73.77	73.12	76.04	70.74	78.31	72.87 71.99
2500	76.19	76.43	75.19	75.64	73.69	73.41	73.96	73.57	76.23	77.58	75.63	70.84 69.46
3150	81.79	79.13	75.77	75.58	73.37	70.85	73.08	82.49	81.33	74.02	77.13	74.84 72.02
4020	89.77	89.38	80.79	87.39	80.99	89.95	88.98	89.91	87.96	81.67	87.82	81.56 82.22
5220	78.29	78.93	76.25	75.48	74.33	76.34	79.18	78.59	79.37	80.87	79.98	72.31 72.10
6320	79.38	76.31	78.24	70.49	76.30	77.67	79.01	83.95	88.84	82.22	79.24	72.31 71.36
6220	81.99	81.05	78.63	77.78	78.83	78.39	78.56	78.46	82.44	70.14	82.18	77.35 75.41
10220	80.76	77.65	74.84	75.92	74.72	75.20	76.25	77.38	77.14	80.97	80.87	73.51 73.41
RESULTS GASPL	96.81	91.35	89.14	89.43	89.76	90.41	90.35	89.72	91.04	89.64	90.83	87.39 87.02
CALCULATED GASPL	93.68	92.18	89.10	90.28	90.81	91.34	91.27	90.32	91.73	90.19	91.30	87.32 86.83
125.2	107.9	123.9	105.9	106.6	107.1	107.1	107.1	107.2	107.2	107.2	107.2	107.2 107.6

GASPL: 153.9

ALIENT TEMP. 44.02
TEMPERATURE 35.02
GAS PRESSURE 29.17
GAS DENSITY 2.821

FAA 14 720 PRESSURE - PHASE 09 00 1015 9 JER CALDER T/O 2/23/77

PLATE 2 RRG104 SPEED 00000000



RADIAL DISTANCE 250

PAGE 1 2

STRESS-RE LEVELS DIRECTIVITY INDEX

		ANGLES FROM INLET									
		0.2	1.2	2.2	3.2	4.2	5.2	6.2	7.2	8.2	9.2
1	0.361	-6.24	1.622	-3.57	-4.22	-3.45	-3.22	-1.12	2.431	-1.742	-0.82
2	4.002	-0.49	6.194	-7.21	-7.49	-5.89	-1.89	-3.19	-0.58	-1.11	-2.01
3	6.132	-5.95	-4.125	-2.04	-4.51	-2.72	-2.26	-3.82	1.458	2.013	1.427
4	5.233	-4.06	-4.131	-2.63	-2.76	-2.99	-2.46	-0.88	3.428	1.592	2.786
5	6.269	3.954	-6.122	-4.48	-4.31	-3.74	-2.86	-1.27	-1.82	1.317	2.108
6	6.868	-5.54	-2.74	-4.73	-3.45	-2.59	-1.45	-3.82	1.884	2.287	2.281
7	6.174	-5.82	7.428	-7.34	-2.31	1.13	-1.75	-1.59	-7.73	1.736	1.331
8	8.127	-5.49	-5.177	-7.11	-6.34	-3.85	-1.97	-1.35	0.887	1.589	2.843
9	6.603	-6.43	9.256	-7.73	-2.32	-3.34	-1.32	-1.29	1.187	-1.67	-1.421
10	9.863	-9.49	9.333	-1.24	-3.12	-4.37	-2.82	-4.88	2.34	0.427	-1.15
11	7.882	1.982	1.288	-3.71	-7.19	-1.89	-1.48	-2.41	-2.04	-1.18	0.886
12	2.176	1.288	0.858	-2.15	-3.29	-2.11	-0.78	-5.94	1.752	1.67	1.371
13	4.675	1.612	-0.83	-1.54	-1.65	-1.47	-0.23	-2.84	1.684	1.38	2.522
14	3.852	1.929	-0.41	-1.82	-3.82	-2.31	-1.78	-7.28	1.482	1.349	1.931
15	3.932	3.213	2.542	1.202	-1.07	-1.14	-1.42	-1.10	-0.78	-0.46	-1.85
16	3.379	3.283	2.286	-1.47	-1.79	-1.18	-1.48	-1.742	1.845	1.742	0.188
17	1.713	2.162	2.317	-1.79	-3.38	-2.46	-1.78	-4.28	1.203	3.184	2.988
18	3.837	1.295	3.319	-4.886	-2.47	-1.74	-1.19	-4.186	1.884	2.824	-0.735
19	3.397	7.484	-2.42	1.109	-0.818	4.906	5.915	2.111	2.937	-3.37	-1.86
20	2.788	2.412	-6.18	-4.888	2.822	2.581	1.933	-1.84	9.388	-5.88	0.523
21	5.239	1.369	-1.91	-2.16	-3.23	-1.42	1.814	1.833	1.881	3.388	2.339
22	8.723	-2.19	-1.62	-1.11	-2.12	-1.837	1.593	2.442	1.537	3.718	2.803
23	3.667	2.320	-0.69	-1.63	-1.49	-1.33	-0.27	-0.71	3.189	-1.88	2.854
24	3.765	0.888	-2.35	-1.87	-2.27	-1.78	-1.74	-5.898	1.446	3.775	3.881

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TEMP 44.88
PRESS 35.88
WIND 29.17
HUMIDITY 2.821

FAP 14-140-BRESSOR - P-ARE 58 - 50 100R 9 NEG CLOSED T/D 2/23/72

RL 510 2038184 SPEED 00002

RADIAL DISTANCE 250

SOIL PRESSURE LEVELS REDUCED AT STANDARD DAY

DEPTH	ANGLES FROM INLET									
	12.0	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0
1	77.97	69.19	72.06	67.25	68.02	69.85	67.05	69.55	71.02	78.15
2	77.08	66.12	68.47	65.05	67.12	69.12	70.70	68.76	71.09	73.02
3	76.23	64.86	66.91	63.06	65.59	67.72	69.33	68.10	70.43	72.03
4	76.76	69.18	71.64	72.57	71.11	70.25	72.54	71.79	73.20	74.66
5	76.08	74.21	67.25	67.38	68.64	69.00	67.54	70.08	71.30	72.31
6	74.76	65.31	67.97	63.38	67.47	68.64	69.12	69.78	71.06	72.53
7	73.35	64.26	71.21	63.91	67.01	69.99	70.22	68.13	70.24	72.19
8	73.47	59.23	59.73	59.96	62.43	64.12	64.78	66.21	66.45	68.32
9	74.62	61.20	65.93	61.63	63.59	63.62	65.56	65.26	67.08	67.74
10	74.58	64.49	66.62	63.89	62.13	61.08	63.83	62.78	64.90	65.81
11	72.72	68.47	69.66	67.69	67.87	67.24	66.80	68.58	68.14	70.88
12	77.23	72.57	72.36	71.58	71.31	72.87	70.87	71.49	72.20	71.30
13	77.23	74.72	72.74	72.25	72.35	72.20	72.93	72.76	71.43	71.27
14	77.17	73.09	72.29	72.37	71.36	70.95	71.38	72.81	72.62	71.77
15	78.38	77.31	77.84	75.20	74.31	73.45	75.01	74.53	75.18	74.76
16	81.49	81.45	86.45	76.19	77.43	77.41	77.65	78.86	78.84	80.57
17	73.08	78.47	79.19	79.88	73.92	74.47	74.88	75.89	77.24	78.68
18	79.43	77.26	76.69	77.32	74.49	74.69	74.84	76.71	77.69	78.11
19	82.09	78.74	78.27	80.73	78.06	79.83	79.23	81.30	81.37	83.79
20	87.79	88.14	82.32	86.97	88.11	87.87	88.76	87.88	89.27	89.46
21	79.73	78.13	77.86	78.71	75.36	76.79	78.79	78.28	80.59	81.07
22	81.11	78.49	80.02	81.30	78.03	79.52	80.27	80.95	80.93	81.06
23	82.59	81.63	79.86	78.79	78.31	80.86	80.27	80.13	83.74	80.57
24	81.87	78.85	74.64	77.27	75.77	73.86	76.12	77.20	78.21	81.08
25	97.31	91.48	92.38	92.20	90.10	90.36	90.05	90.91	93.16	91.74
26	93.97	91.78	92.42	90.06	90.71	90.00	91.57	91.41	93.32	92.88
27	100.7	100.3	100.4	100.3	100.5	100.6	100.6	100.3	100.6	100.3

049411 100.9

A. 10. T. TEMP. 44.47
 A. 10. T. TEMP. 35.20
 A. 10. T. TEMP. 29.17
 A. 10. T. TEMP. 2.321

FEA PA /COMPRESSOR - P-ASE 28 + 50 INVS 9 DEG CLOSED Y/D 2/23/76

RUN 122 2.02465 SPEED 00200



SOUND PRESSURE LEVELS DIRECTIVITY INDEX

		17.0	21	30.2	40.0	54.7	67.2	78.0	89.4	90.0	100.2	110.2	120.0	130.0	140.0	150.2	160.0	170.0	180.0
REC																			
5		6.848	-1.94	1.753	-3.08	-3.11	-1.24	-3.27	-1.58	0.878	-0.82	-0.208	1.234	4.166					
6		4.133	-0.75	7.830	-7.92	-5.15	-3.99	-2.37	-2.75	-1.39	3.055	5.780	1.943	3.138	4.715				
8		5.146	-2.122	-1.15	-5.03	-3.99	-2.37	-2.75	-1.39	3.055	5.780	1.943	3.138	4.715					
10		3.957	-3.62	-1.17	-3.83	-1.60	-2.54	-2.26	-1.22	4.017	1.786	2.343	2.984	2.785					
12		4.479	2.411	-1.15	-4.04	-2.70	-2.29	-1.66	-1.27	1.927	0.875	1.024	2.582	3.027					
14		4.624	-4.92	-1.23	-3.73	-2.50	-1.49	-1.82	-1.25	1.328	1.131	2.342	2.718	3.046					
16		5.039	-6.85	0.878	-4.39	-2.78	-1.316	-1.592	-1.18	1.069	0.895	1.896	3.424	1.916					
18		7.498	-6.05	-0.25	-2.82	-3.34	-1.85	-1.19	-1.378	4.788	-1.05	2.848	3.283	2.766					
20		9.468	-2.80	-2.24	-4.47	-2.54	-2.54	-1.91	-1.39	0.942	-1.941	-1.13	-1.28	2.440					
22		8.572	-1.28	0.661	-2.11	-3.74	-1.45	-2.73	-1.37	1.112	-1.17	1.112	-1.17	1.112					
24		7.034	-1.25	0.659	-1.94	-1.15	-1.15	-1.79	-2.81	-1.09	0.888	2.138	0.879	-1.46					
26		5.299	-5.942	3.955	-3.93	-1.03	0.917	-1.11	-0.81	3.249	-0.82	1.937	-0.84	-1.73					
28		4.026	1.515	-1.46	-0.73	-1.56	-1.15	-1.26	-0.45	1.041	1.064	1.717	-0.49	-1.73					
30		4.611	1.320	-4.74	-1.96	-1.51	-1.62	-1.10	-0.51	0.822	1.741	1.544	0.843	-1.704					
32		3.387	2.570	2.183	3.618	-1.03	-1.29	-0.784	-0.49	2.879	1.815	-1.79	-3.358	-3.99					
34		3.033	3.932	2.187	1.399	-1.82	-1.83	-0.793	-0.37	1.088	1.923	1.418	-3.09	-0.86					
36		2.484	2.971	2.799	-1.31	-2.47	-1.92	-1.59	-0.99	0.972	3.861	1.712	-2.33	-1.82					
38		2.982	7.234	3.168	7.931	-2.85	-1.44	-1.59	-1.08	1.115	2.531	0.877	-0.30	-1.16					
40		3.835	-2.82	-1.49	1.478	-1.83	-1.82	1.737	2.341	3.123	-2.13	-1.12	-4.16	-0.79					
42		5.498	6.888	-1.92	-2.77	0.889	0.861	1.511	0.889	4.028	-2.29	5.179	-4.16	-0.79					
44		1.249	6.988	-1.42	-1.77	-2.92	-1.68	-3.188	-2.82	2.350	4.194	2.589	-4.16	-0.79					
46		3.962	-4.23	0.883	0.788	-1.89	-1.19	-0.440	-2.294	2.168	5.857	6.389	-7.33	-2.92					
48		1.819	6.786	0.12	-1.97	-2.46	-1.786	-1.490	-3.38	2.168	-2.97	4.508	-1.48	-2.98					
50		4.188	-1.947	-2.76	-1.426	-1.92	-1.73	-1.57	-3.38	5.816	4.228	3.389	-3.39	-2.98					

B43

AIR TEMP. 45.27
 WET-BULB TEMP. 35.27
 BAR. PRESSURE 29.17
 AIR HUMIDITY 74.84

FAA FAN/COMPRESSOR - PHASE 5B - 5C 10V8 9 DEG CLOSED T/D 2/23/78

RUN:15 RUN:15 SPEED:0220

RADIAL DISTANCE 250

DATE: 3/22/72

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET									
	7	12	17	22	27	32	37	42	47	52
50	74.77	70.08	71.12	67.31	66.68	67.59	67.41	69.65	74.35	78.13
63	74.38	68.24	68.23	67.31	66.37	67.78	70.55	68.48	70.55	71.42
80	65.91	65.69	65.64	65.75	65.96	67.57	67.92	68.01	70.38	70.95
100	65.92	69.18	69.15	69.78	70.54	69.85	68.99	71.31	74.30	77.79
125	68.98	74.42	68.99	67.82	68.72	69.89	69.72	71.89	72.64	74.11
160	67.48	68.64	67.54	68.09	67.88	68.26	69.71	70.62	71.68	71.55
200	68.49	69.42	71.11	69.22	68.36	68.16	71.19	71.21	71.28	70.58
250	64.69	69.42	58.14	59.17	61.92	64.22	65.27	66.92	67.99	63.68
315	66.97	68.84	66.61	61.57	64.82	64.28	65.66	66.65	67.29	64.93
400	67.70	67.87	67.94	64.88	63.69	61.89	61.91	62.29	63.84	67.44
500	72.65	72.46	72.64	68.82	67.84	68.43	66.56	66.89	66.49	69.89
630	73.58	72.37	73.55	72.75	71.92	72.76	71.95	71.49	73.31	72.59
800	73.59	75.56	72.96	72.59	73.04	73.79	74.35	74.18	73.74	75.57
1000	73.41	74.79	71.39	72.59	71.52	73.21	73.96	74.78	74.93	75.84
1250	75.56	72.47	77.85	75.84	74.41	72.82	73.18	73.33	73.99	72.81
1600	75.55	81.47	80.38	78.47	77.41	77.59	77.63	77.66	78.78	80.55
2000	77.24	72.78	78.89	74.78	73.82	75.28	75.99	77.52	77.95	79.46
2500	77.72	77.31	79.01	77.77	77.51	74.96	75.86	77.89	77.38	79.31
3150	80.45	78.28	76.89	80.17	78.29	79.83	78.98	81.49	81.51	75.09
4000	83.75	85.34	88.10	85.58	84.57	89.88	89.78	88.71	89.77	85.73
5000	76.74	78.67	76.73	76.22	75.05	76.83	79.69	79.14	80.32	82.19
6300	78.42	75.76	81.12	80.71	79.25	79.89	80.18	83.39	86.14	86.58
8000	79.40	80.27	88.33	77.95	77.87	79.35	79.72	79.83	83.78	78.28
10000	77.92	77.87	75.77	77.27	76.82	75.66	75.99	77.31	75.40	88.84
MEASURED CASPL	90.18	90.90	98.06	89.75	88.61	89.22	91.44	91.65	92.32	91.98
CALCULATED CASPL	90.82	90.71	98.10	90.21	89.95	89.68	92.16	92.36	93.04	92.58
P.D5	104.5	105.8	103.4	105.5	103.4	104.9	107.9	107.9	108.7	106.9

GRAPH 1 192.2

AIR TEMP. 44.2°
WET-BULB TEMP. 35.2°
BAR. PRESSURE 29.27
A.S. HUMIDITY 2.824

FAA PAV/CA PRESSURE - PHASE 5B - 25. 13VS 9 DEG CLOSED T/C 2/23/72

REV 12 RUC 100 SPS 60492

RAPIAL DISTANCE 252

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	1°	2°	30.2	40.2	52.2	60°	ANGLES FROM INLET										72.2	80.2	100.0	110.0	120.2	132.2	148°	150.2	168.0	170.0 (PHL)
120	70.39	70.22	71.50	67.58	67.75	68.41	68.51	70.69	71.73	71.25	72.74	74.63	78.80	120.1												
121	78.12	69.24	82.41	67.68	67.26	68.18	78.78	69.56	71.73	72.83	73.23	75.13	78.67	121.0												
122	43.45	64.69	65.84	66.12	66.36	67.52	68.23	69.56	70.95	71.47	72.93	74.69	76.88	122.1												
123	67.93	68.76	67.42	72.37	70.35	71.68	69.69	72.14	73.43	75.64	75.64	76.73	77.32	123.0												
124	67.78	74.38	66.68	70.85	69.83	70.47	69.91	71.63	73.04	74.79	75.48	76.24	77.54	124.1												
125	65.67	65.38	68.69	67.16	68.33	69.89	69.97	70.77	72.41	72.32	74.13	74.53	75.19	125.0												
126	47.48	65.62	70.97	65.37	66.69	68.28	70.26	69.97	70.97	72.93	74.13	74.53	75.19	126.1												
127	64.79	62.49	61.97	61.33	63.81	63.90	66.91	67.67	67.93	66.89	70.09	71.82	72.11	127.0												
128	64.91	65.97	66.52	61.63	66.37	65.53	65.25	67.15	66.61	64.73	65.46	67.52	128.1													
129	68.69	67.61	64.39	63.68	63.19	63.19	62.82	64.88	65.22	67.37	69.64	68.95	129.0													
130	70.64	71.09	70.95	69.37	68.79	69.24	68.33	68.47	68.29	70.31	72.81	70.69	68.29	130.1												
131	73.68	74.03	73.61	72.99	72.41	73.59	73.42	73.41	74.53	73.61	75.69	73.59	73.73	131.0												
132	74.26	76.37	73.10	72.74	73.16	73.86	74.75	74.65	76.02	75.76	76.58	73.87	73.15	132.1												
133	73.53	73.19	71.82	72.33	70.65	72.31	72.95	73.68	73.11	73.78	75.31	74.49	73.77	133.0												
134	74.66	79.28	75.45	70.37	70.95	73.37	74.61	74.29	75.60	76.89	75.59	73.60	73.32	134.1												
135	79.19	82.93	80.38	78.36	77.33	77.73	78.29	79.84	79.48	81.84	81.84	75.59	73.33	135.0												
136	76.79	80.31	78.66	74.86	73.62	74.90	75.67	75.89	77.63	79.76	79.41	74.89	73.65	136.1												
137	77.75	78.79	78.49	77.23	74.91	74.11	74.73	77.67	78.32	78.78	78.48	71.67	73.49	137.0												
138	89.48	88.18	76.84	80.25	78.57	79.11	79.27	81.49	82.76	78.78	76.94	74.66	73.49	138.1												
139	84.54	86.61	85.25	86.86	86.77	88.83	90.99	88.86	89.88	89.39	86.62	82.87	82.42	139.0												
140	77.38	81.43	77.37	77.15	76.39	76.87	81.26	79.79	81.95	82.76	82.28	75.43	73.9	140.1												
141	77.69	77.39	86.16	88.78	81.22	88.17	78.59	85.51	83.64	87.97	81.58	73.69	72.83	141.0												
142	78.68	82.49	78.99	78.69	77.21	78.61	80.82	81.42	83.85	78.89	83.71	76.94	76.56	142.1												
143	77.62	78.63	75.66	76.62	76.62	76.53	77.86	78.72	79.83	83.62	82.26	75.46	74.76	143.0												

E46

CAPL: 17MAY68

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FOR THE CURRESS R - F-AE 28 • 20 JUVS 9 DEG CLOSED T/D 2/29/77

SECRET

0

DATE: 3/25/77

PAGE: 1

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ. Hz	ANGLES FROM INLET										PWL
	7.2	17.2	27.2	37.2	47.2	57.2	67.2	77.2	87.2	97.2	
50	70.91	70.47	71.73	68.23	66.02	69.53	69.61	71.91	72.31	72.38	70.12
63	70.59	68.96	68.21	68.87	68.33	69.58	71.75	70.76	71.84	73.32	70.42
80	64.51	66.26	67.35	67.79	67.67	69.37	69.79	71.11	72.39	73.43	70.86
100	68.79	68.68	69.35	71.11	71.72	71.77	72.82	72.74	73.29	73.59	70.92
125	73.57	75.64	74.89	76.86	75.06	74.94	74.76	76.33	74.87	76.31	70.77
160	67.28	67.62	68.59	68.53	69.61	78.86	71.27	72.82	73.82	74.53	70.83
200	67.74	65.92	71.39	66.98	68.13	69.25	70.71	71.51	72.38	71.56	73.41
250	65.14	63.36	63.67	63.99	66.11	66.14	69.95	69.28	69.94	67.48	70.94
315	66.39	66.97	67.84	64.99	64.51	64.93	66.88	67.32	67.79	66.98	68.50
400	68.89	67.77	67.11	66.78	64.96	64.66	64.83	64.16	66.21	69.32	70.64
500	70.78	71.58	73.58	70.81	76.56	78.89	67.98	78.13	78.09	78.06	72.89
630	73.71	74.83	74.83	74.83	73.98	74.85	75.18	74.89	77.13	78.76	71.66
800	74.29	76.38	74.14	74.08	74.78	74.95	75.67	76.88	77.72	76.88	74.31
1000	72.69	75.61	72.09	74.47	73.68	73.88	74.31	75.48	75.89	74.72	72.79
1250	74.72	76.08	74.89	74.86	76.79	74.79	75.39	76.88	76.24	79.46	74.79
1500	79.31	82.18	81.32	79.21	79.49	79.31	79.74	80.16	80.13	81.33	74.36
2000	76.33	79.18	88.17	76.54	75.87	76.28	76.66	77.98	77.64	81.19	73.17
2500	79.47	78.21	77.81	81.17	80.88	80.25	80.18	83.17	83.24	77.74	72.32
3150	83.12	80.14	77.81	84.78	85.38	87.82	88.89	89.89	91.81	88.98	72.96
4000	78.96	84.88	88.86	88.32	83.34	82.49	83.93	84.43	84.41	88.81	77.94
5000	76.99	75.83	88.94	79.97	79.37	79.89	78.17	83.88	83.26	86.78	71.72
6300	78.17	79.54	79.51	79.37	78.94	80.85	81.82	81.97	83.97	80.48	70.17
8000	77.85	77.93	77.81	78.36	77.85	78.87	78.82	80.93	80.53	82.22	74.85
10000	80.56	92.61	83.17	90.72	91.82	91.49	91.99	93.18	94.49	93.28	89.98
MEASURED GASPL	89.64	92.49	83.87	90.98	92.81	91.67	92.36	93.88	95.28	93.88	89.84
CALCULATED GASPL	184.5	187.4	184.9	188.9	187.7	187.8	187.8	187.8	187.8	187.8	188.8
PWLB											

QAPML1 188.9

AMBIENT TEMP. 44.00
WET-BULB TEMP. 35.00
BAR. PRESSURE 29.17
ABS. HUMIDITY 2.521

FAA FAI/COMPRESSOR - PHASE 58 - 50 IGVS 9 DEG CLOSED T/D 2/23/78

RJN=15 RJG=108 SPEED=6980

F48

DATE: 5/25/72

RADIAL DISTANCE 290

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET									
	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°
50	-1.27	-1.52	-2.56	-3.76	-5.17	-6.78	-8.57	-10.54	-12.68	-14.98
63	-2.98	-4.59	-6.87	-9.51	-12.51	-15.86	-19.54	-23.54	-27.86	-32.49
80	-7.27	-5.41	-4.33	-3.10	-1.80	-0.45	0.98	2.31	3.64	4.98
100	-4.43	-4.55	-3.88	-2.42	-1.21	-0.21	0.63	1.29	1.94	2.60
125	-2.21	-1.46	-1.09	-0.67	-0.39	-0.22	0.02	0.23	0.44	0.65
160	-4.67	-4.33	-3.55	-2.32	-1.34	-0.69	-0.33	0.04	0.26	0.48
200	-2.99	-4.88	-6.91	-9.75	-12.59	-15.42	-18.25	-21.08	-23.91	-26.74
250	-2.95	-4.63	-6.42	-8.29	-10.08	-11.82	-13.51	-15.16	-16.78	-18.38
315	-1.60	-0.832	-0.32	-0.18	-0.10	-0.05	0.00	0.05	0.10	0.15
400	-0.63	-0.299	-0.143	-0.07	-0.04	-0.02	0.00	0.02	0.04	0.07
500	-0.74	-0.293	-0.128	-0.06	-0.03	-0.01	0.00	0.01	0.02	0.03
630	-1.25	-0.83	-0.453	-0.241	-0.128	-0.07	-0.04	-0.02	-0.01	0.00
800	-1.82	-0.942	-0.57	-0.28	-0.152	-0.08	-0.05	-0.03	-0.02	-0.01
1000	-1.21	-1.162	-1.02	-0.86	-0.70	-0.56	-0.43	-0.31	-0.20	-0.11
1250	-1.63	-1.32	-1.06	-0.80	-0.58	-0.38	-0.23	-0.14	-0.08	-0.04
1600	-1.83	-1.46	-1.07	-0.78	-0.54	-0.34	-0.20	-0.12	-0.07	-0.04
2000	-1.39	-1.59	-1.53	-1.37	-1.17	-0.92	-0.69	-0.48	-0.29	-0.15
2500	-1.08	-1.54	-1.80	-1.60	-1.31	-1.02	-0.74	-0.49	-0.28	-0.15
3150	-1.68	-1.89	-2.13	-1.93	-1.58	-1.23	-0.93	-0.63	-0.36	-0.19
4000	-1.48	-2.06	-2.37	-2.20	-1.80	-1.43	-1.08	-0.74	-0.43	-0.23
5000	-4.64	-4.736	-5.34	-5.28	-4.38	-3.48	-2.58	-1.68	-0.78	0.12
6300	-3.67	-5.03	-5.31	-4.94	-4.29	-3.61	-2.94	-2.29	-1.64	-0.98
8000	-2.68	-4.27	-4.31	-4.04	-3.67	-3.29	-2.91	-2.53	-2.15	-1.77
10000	-1.79	-2.13	-2.64	-3.27	-3.79	-4.31	-4.83	-5.35	-5.87	-6.39

E49

AMBIENT TEMP 44.22
WET-BULB TEMP 35.00
BAR. PRESSURE 29.17
ABS. HUMIDITY 2.821

FAA FA\COMPRESSOR - PHASE 5B + 5C IGVS 9 DEG CLOSED T/D 2/23/78

RUN#15 RDG#188 SPEED#0902

DATE: 5/11/77

PAGE: 2

RAPID DISTANCE 250

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

14.0 2. 30.0 40.0 50.0 60.0 70.0 80.0 90.0 100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 (DUL)

ANGLES FROM INLET

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E51

AMBIENT TEMP: 42.0
 WINDSPEED: 35.0
 AIR PRESS: 29.32
 AIR HUMIDITY: 2.24

FAA FAN COMPRESSOR - PLATE 5B - 5C IQVS 9 JEG CLOSED T/D 2/23/78

PLATE 5B SECTION SPEED 7100

RADIAL DISTANCE 25W

DATE: 3.11.77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

1 1.2 2.1 30.0 40.2 50.0 60.0 70.0 80.0 90.0 100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 (PWL)

1	-1.89	-2.33	-2.99	-3.37	-3.48	-3.29	-3.16	-1.75	-1.302	-1.10	-1.08	-1.07	-1.05	-1.04	-1.03	-1.02	-1.01
2	-1.54	-1.89	-2.33	-2.99	-3.37	-3.48	-3.29	-3.16	-1.75	-1.302	-1.10	-1.08	-1.07	-1.05	-1.04	-1.03	-1.02
3	-4.19	-5.32	-4.46	-4.39	-4.14	-2.26	-2.23	-1.03	-1.464	-1.134	-1.134	-1.134	-1.134	-1.134	-1.134	-1.134	-1.134
4	-4.26	-5.21	-5.11	-3.94	-3.47	-2.48	-1.79	-1.881	-1.824	-1.539	-1.539	-1.539	-1.539	-1.539	-1.539	-1.539	-1.539
5	-3.19	-2.71	-8.45	-7.19	-5.84	-5.73	-4.95	-2.34	-1.432	-1.233	-1.233	-1.233	-1.233	-1.233	-1.233	-1.233	-1.233
6	-2.61	-4.57	-5.22	-3.02	-2.61	-1.64	-1.16	-1.16	-1.16	-1.16	-1.16	-1.16	-1.16	-1.16	-1.16	-1.16	-1.16
7	-1.89	-4.28	-3.59	-3.41	-2.38	-1.82	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84	-1.84
8	-2.69	-3.19	-4.65	-4.28	-1.48	-1.69	-1.359	-1.285	-1.153	-1.153	-1.153	-1.153	-1.153	-1.153	-1.153	-1.153	-1.153
9	-1.435	-3.149	-2.99	-2.49	-1.89	-1.78	-1.899	-1.11	-1.863	-1.392	-1.392	-1.392	-1.392	-1.392	-1.392	-1.392	-1.392
10	-1.594	-1.899	-1.875	-2.37	-1.19	-4.76	-4.54	-4.59	-1.551	-1.690	-1.690	-1.690	-1.690	-1.690	-1.690	-1.690	-1.690
11	-1.934	-1.86	-1.892	-2.32	-1.87	-1.49	-1.898	-2.13	-1.898	-1.998	-1.998	-1.998	-1.998	-1.998	-1.998	-1.998	-1.998
12	-1.99	-2.01	-1.121	-1.37	-1.97	-1.11	-1.846	-1.393	-1.350	-1.106	-1.106	-1.106	-1.106	-1.106	-1.106	-1.106	-1.106
13	-1.97	-2.22	-1.735	-3.08	-2.64	-2.83	-1.825	-1.424	-1.373	-1.179	-1.179	-1.179	-1.179	-1.179	-1.179	-1.179	-1.179
14	-1.392	-1.856	-1.631	-1.21	-1.823	-1.86	-1.295	-1.671	-1.613	-1.613	-1.613	-1.613	-1.613	-1.613	-1.613	-1.613	-1.613
15	-1.39	-1.13	-1.12	-1.19	-1.89	-1.38	-1.612	-1.16	-1.081	-1.119	-1.119	-1.119	-1.119	-1.119	-1.119	-1.119	-1.119
16	-2.98	-1.898	-2.474	-2.39	-1.77	-1.79	-1.724	-1.831	-1.831	-1.831	-1.831	-1.831	-1.831	-1.831	-1.831	-1.831	-1.831
17	-2.52	-1.59	-1.597	-1.83	-1.14	-1.53	-1.689	-1.733	-1.733	-1.733	-1.733	-1.733	-1.733	-1.733	-1.733	-1.733	-1.733
18	-3.08	-1.59	-2.35	-1.616	-1.98	-1.939	-1.982	-2.847	-3.734	-2.18	-2.18	-2.18	-2.18	-2.18	-2.18	-2.18	-2.18
19	-3.18	-1.89	-3.14	-1.846	-1.94	-2.803	-2.809	-1.929	-3.095	-2.19	-2.19	-2.19	-2.19	-2.19	-2.19	-2.19	-2.19
20	-4.39	-3.925	-3.29	-2.28	-1.85	-1.85	-1.85	-1.85	-1.85	-1.85	-1.85	-1.85	-1.85	-1.85	-1.85	-1.85	-1.85
21	-3.06	-3.06	-2.711	-1.34	-1.823	-1.596	-1.834	-1.784	-1.784	-1.784	-1.784	-1.784	-1.784	-1.784	-1.784	-1.784	-1.784
22	-2.71	-1.792	-1.619	-1.81	-1.3465	-1.3465	-1.3465	-1.3465	-1.3465	-1.3465	-1.3465	-1.3465	-1.3465	-1.3465	-1.3465	-1.3465	-1.3465
23	-2.23	-1.66	-1.36	-1.294	-1.276	-1.276	-1.276	-1.276	-1.276	-1.276	-1.276	-1.276	-1.276	-1.276	-1.276	-1.276	-1.276

E53

FILE NAME: 45.20
 FILE NO: 15.20
 FILE SIZE: 15.20
 FILE TYPE: 15.20

FAA FA 100 PRESS - 9-ARE 50 + 50 10VS 9 DEG CLOSEC T/D 2/23/72

FILE NO: 15.20 SPEED: 7300

RAPID DISTANCE 248

PAGE 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	12.0	2.2	3.0	4.0	5.0	6.0	7.0	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	18.0	19.0	20.0	21.0	22.0	23.0	24.0	25.0	26.0	27.0	28.0	29.0	30.0	
ANGLE FROM INLET																															
57	76.47	73.78	73.55	71.16	72.11	74.06	75.03	75.05	75.39	74.43	76.04	79.01	83.14	138.4																	
58	78.15	75.20	77.37	74.73	74.45	75.34	76.67	75.93	76.75	76.92	78.65	80.73	84.31	138.3																	
59	74.36	71.99	72.67	71.19	71.86	73.67	75.11	74.56	75.54	76.22	77.91	80.12	82.29	138.4																	
60	75.25	72.16	71.77	71.59	72.09	74.18	75.23	75.68	75.95	77.15	78.76	81.29	82.59	138.3																	
61	76.92	76.99	71.95	72.04	74.32	76.22	75.35	80.25	80.36	84.39	86.12	84.08	86.12	138.3																	
62	76.79	72.56	71.89	71.56	74.65	74.12	74.33	75.45	76.94	78.94	78.85	79.08	80.48	138.4																	
63	77.32	71.69	69.95	70.21	71.59	72.84	74.01	74.52	75.15	74.51	76.84	78.76	76.24	138.4																	
64	76.45	71.42	66.43	67.32	70.63	72.76	73.69	73.28	73.28	72.07	74.88	75.09	73.59	138.4																	
65	77.99	72.46	67.67	68.58	69.51	69.84	70.97	69.95	71.23	69.01	68.00	70.24	72.33	138.3																	
66	75.96	72.25	69.78	68.23	69.24	68.11	69.98	67.93	70.41	72.99	73.07	75.19	78.29	138.1																	
67	77.48	74.08	72.93	71.33	71.45	71.63	72.63	71.82	73.20	74.85	77.49	75.79	74.45	138.4																	
68	77.94	76.41	75.29	73.29	73.13	74.07	75.38	73.35	77.45	76.61	79.56	78.19	74.93	138.1																	
69	78.14	77.18	77.69	75.72	77.85	78.31	79.68	80.55	82.49	81.97	81.01	77.97	77.13	138.2																	
70	77.77	77.28	74.67	75.68	77.35	77.08	78.43	78.59	77.01	77.39	78.13	76.89	75.92	138.9																	
71	76.51	75.28	74.93	74.69	76.44	76.77	78.39	76.59	78.51	76.93	79.88	74.23	75.35	138.9																	
72	78.19	77.87	77.64	76.39	76.01	75.99	78.94	78.26	79.56	80.39	81.87	76.13	77.41	138.4																	
73	76.38	76.82	77.36	74.20	75.13	75.78	78.27	75.06	77.94	78.17	78.29	73.18	76.32	138.3																	
74	76.58	74.28	76.47	76.71	76.49	77.24	78.12	77.11	78.25	77.73	77.49	71.82	75.25	138.7																	
75	80.19	76.54	75.56	79.15	79.98	80.88	82.33	81.92	81.56	73.73	77.36	74.14	75.43	138.9																	
76	81.56	81.67	77.33	83.87	83.52	83.49	84.47	83.38	83.68	78.89	81.58	77.28	77.91	143.3																	
77	86.97	89.89	86.28	87.51	90.05	91.09	89.57	87.79	87.38	80.75	87.05	83.78	83.28	143.7																	
78	89.63	76.77	79.89	78.69	88.18	79.82	82.86	81.82	81.63	81.63	80.17	73.92	78.36	143.3																	
79	80.34	76.23	77.34	76.86	79.23	79.51	81.09	80.52	81.02	77.61	78.62	74.73	75.89	143.8																	
80	82.58	79.96	79.56	81.14	81.68	82.66	82.91	81.33	82.18	81.87	83.87	76.61	77.94	147.8																	

81	96.85	94.11	91.82	91.82	93.15	94.11	94.33	93.84	94.37	93.93	94.74	94.88	95.61
82	73.17	92.91	92.85	91.84	93.42	94.49	94.69	93.48	94.82	93.69	94.14	92.29	93.48
83	127.5	108.2	105.7	106.5	106.5	106.7	106.8	107.9	108.3	108.1	108.3	104.9	105.2

GAPHLI 154.4

FILE TEMP 44.08
NO. 35.08
DATE 29.11
TIME 2.56

FAI A 700 PRESSON = PHASE 58 + 50 100% 4 DEG CLOSED 1/2 2/23/70

PU 875 800894 48007500

Q

10/10/80 12:17

PAGE 1 2

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

17.2 2.0 38.0 40.0 50.0 55.0 72.0 80.0 90.2 102.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0

54	8051	-1.88	-2.12	-4.51	-4.51	-1.51	-1.51	-1.51	-1.51	-1.51	-1.51	-1.51	-1.51	-1.51	-1.51	-1.51	-1.51
43	7773	-2.19	-1.84	-2.67	-2.67	-2.95	-2.95	-2.95	-2.95	-2.95	-2.95	-2.95	-2.95	-2.95	-2.95	-2.95	-2.95
31	-1.26	-3.65	-2.94	-4.45	-4.45	-3.70	-3.70	-3.70	-3.70	-3.70	-3.70	-3.70	-3.70	-3.70	-3.70	-3.70	-3.70
12	-1.23	-4.11	-4.50	-4.68	-4.68	-3.58	-3.58	-3.58	-3.58	-3.58	-3.58	-3.58	-3.58	-3.58	-3.58	-3.58	-3.58
125	-3.42	-3.35	-6.36	-6.36	-6.02	-6.02	-6.02	-6.02	-6.02	-6.02	-6.02	-6.02	-6.02	-6.02	-6.02	-6.02	-6.02
164	1.085	-3.14	-2.61	-4.63	-4.63	-4.05	-4.05	-4.05	-4.05	-4.05	-4.05	-4.05	-4.05	-4.05	-4.05	-4.05	-4.05
277	3.083	-2.55	-4.25	-4.08	-4.08	-2.65	-2.65	-2.65	-2.65	-2.65	-2.65	-2.65	-2.65	-2.65	-2.65	-2.65	-2.65
295	4.041	-2.00	-5.99	-4.91	-4.91	-1.79	-1.79	-1.79	-1.79	-1.79	-1.79	-1.79	-1.79	-1.79	-1.79	-1.79	-1.79
315	7.238	2.729	-3.28	-4.25	-4.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25
407	4.152	0.472	-1.63	-3.17	-3.17	-2.17	-2.17	-2.17	-2.17	-2.17	-2.17	-2.17	-2.17	-2.17	-2.17	-2.17	-2.17
522	3.319	3.175	-1.63	-2.23	-2.23	-1.11	-1.11	-1.11	-1.11	-1.11	-1.11	-1.11	-1.11	-1.11	-1.11	-1.11	-1.11
630	1.768	1.355	-1.63	-1.80	-1.80	-1.06	-1.06	-1.06	-1.06	-1.06	-1.06	-1.06	-1.06	-1.06	-1.06	-1.06	-1.06
52	-1.984	-1.94	-2.43	-3.41	-3.41	-1.27	-1.27	-1.27	-1.27	-1.27	-1.27	-1.27	-1.27	-1.27	-1.27	-1.27	-1.27
1747	1.861	1.5474	-2.24	-1.83	-1.83	-1.438	-1.438	-1.438	-1.438	-1.438	-1.438	-1.438	-1.438	-1.438	-1.438	-1.438	-1.438
1250	8079	-1.16	-1.52	-1.93	-1.93	-1.06	-1.06	-1.06	-1.06	-1.06	-1.06	-1.06	-1.06	-1.06	-1.06	-1.06	-1.06
1002	8034	-1.03	-2.87	-1.84	-1.84	-1.92	-1.92	-1.92	-1.92	-1.92	-1.92	-1.92	-1.92	-1.92	-1.92	-1.92	-1.92
2222	-1.078	3.999	3.927	-2.09	-2.09	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25
2922	-1.271	-3.27	-1.821	-2.867	-2.867	-1.828	-1.828	-1.828	-1.828	-1.828	-1.828	-1.828	-1.828	-1.828	-1.828	-1.828	-1.828
3150	1.244	-2.88	-3.38	-2.882	-2.882	-1.835	-1.835	-1.835	-1.835	-1.835	-1.835	-1.835	-1.835	-1.835	-1.835	-1.835	-1.835
4000	-1.611	-4.95	-4.04	-2.89	-2.89	-1.354	-1.354	-1.354	-1.354	-1.354	-1.354	-1.354	-1.354	-1.354	-1.354	-1.354	-1.354
5027	-1.28	1.664	-2.14	-1.70	-1.70	-1.828	-1.828	-1.828	-1.828	-1.828	-1.828	-1.828	-1.828	-1.828	-1.828	-1.828	-1.828
6000	-1.180	-3.25	-1.15	-1.15	-1.15	-1.15	-1.15	-1.15	-1.15	-1.15	-1.15	-1.15	-1.15	-1.15	-1.15	-1.15	-1.15
8000	1.349	-1.767	-1.65	-2.14	-2.14	-1.424	-1.424	-1.424	-1.424	-1.424	-1.424	-1.424	-1.424	-1.424	-1.424	-1.424	-1.424
10007	1.213	-1.51	-2.11	-3.32	-3.32	-1.210	-1.210	-1.210	-1.210	-1.210	-1.210	-1.210	-1.210	-1.210	-1.210	-1.210	-1.210

10/10/80 12:17
SOUND PRESSURE LEVELS
DIRECTIVITY INDEX

FAIR PLAY / COMPRESSOR - PHASE 58 + 50 10VS 9 DEG CLOSED T/D 2/23/77

FAIR PLAY COMPRESSOR SPEED 7500

0

TIME: 071177

PAGE: 1

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ	ANGLES FROM 1° LET									
	1°	2°	3°	4°	5°	6°	7°	8°	9°	10°
5	74.36	73.95	72.34	71.80	72.54	73.51	72.53	75.12	76.32	76.25
6	75.55	73.78	76.29	74.17	74.39	75.07	75.47	76.59	76.89	78.42
7	72.92	72.29	72.29	72.49	72.66	73.96	74.23	75.50	77.01	77.71
1	73.47	72.64	71.31	73.23	73.67	75.01	75.23	76.42	77.34	78.06
125	77.06	80.32	76.38	79.95	79.21	81.86	79.48	79.69	84.00	83.44
16	74.36	72.95	71.22	72.58	73.73	75.17	75.23	76.29	76.13	78.48
2	74.39	71.42	70.15	71.04	71.64	72.91	74.12	75.32	76.22	75.49
25	72.32	69.74	66.01	67.32	69.83	71.21	72.35	73.59	74.05	75.79
34	72.53	71.29	68.94	67.12	67.12	67.38	69.39	70.19	71.72	70.48
42	75.46	73.33	72.71	69.75	69.94	70.21	70.83	68.39	72.83	76.17
5	76.52	74.66	75.27	73.37	76.54	78.13	77.09	74.26	76.51	76.36
61	76.31	76.61	76.91	77.35	78.11	77.71	77.68	78.14	79.01	78.83
41	74.59	76.92	75.79	77.39	78.79	82.69	82.44	80.31	85.31	85.04
125	75.31	75.31	74.97	74.37	74.98	75.18	76.99	76.84	78.36	83.34
152	77.31	76.98	77.23	76.06	68.51	79.42	51.87	70.61	70.98	70.22
202	73.61	75.18	78.41	77.07	79.68	78.28	78.43	77.24	79.64	78.34
252	78.92	73.76	77.71	76.87	77.69	77.78	78.22	78.23	78.68	79.82
342	77.91	76.07	75.75	80.81	79.53	80.39	80.29	81.90	81.68	74.88
422	79.53	83.68	77.46	79.81	81.82	81.87	84.85	84.14	84.65	79.28
512	85.84	89.61	89.25	88.37	87.82	92.66	92.94	91.10	90.03	90.73
622	70.28	77.38	83.32	78.69	79.77	83.35	82.39	82.39	83.76	81.09
1022	78.05	76.05	76.48	77.28	78.34	83.76	81.91	81.54	82.99	81.14
1022	81.45	80.68	80.99	82.55	83.95	83.11	84.01	84.11	83.97	86.81
VERIFIED CASP	94.16	94.44	92.76	92.86	93.13	95.37	95.54	94.48	95.78	95.48
CALCULATED CASP	91.03	92.81	92.59	92.59	92.88	95.42	94.84	95.07	95.62	95.55
126.2	137.9	137.5	137.5	137.5	137.4	138.6	138.6	138.1	138.1	138.1

000001

000001

ADDITIONAL INFO:
 REFERENCE: 15.00
 DATA: 29.11
 A-S: 2.626

FAA PA /CO PRESS - PHASE 98 + 50 IJVS 9 DEG CLOSED T/D 2/23/72

FAA 220 2.18190 S=250=77J0

E56

DATE: 3/25/77

PAGE: 1

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET										OAPHL
	0.2	0.7	2.0	30.2	42.2	52.2	60.0	70.0	82.2	92.0	
50	74.38	73.51	72.67	72.14	72.46	73.50	73.12	73.89	77.09	76.86	184.1
63	72.61	71.62	70.43	70.39	70.66	71.42	71.21	71.26	77.30	78.09	185.0
80	72.45	71.33	70.99	70.37	70.59	71.47	71.21	71.34	77.88	79.02	185.7
100	72.21	72.24	72.63	73.58	74.75	76.27	76.69	77.73	78.67	80.07	186.9
125	72.62	72.27	72.95	73.99	75.26	76.83	78.14	79.39	80.28	81.39	188.2
160	72.64	72.28	72.12	73.29	74.86	76.75	78.06	79.45	80.79	81.37	189.2
200	72.47	72.92	74.66	71.58	72.25	73.65	75.14	76.35	76.94	77.09	190.2
250	72.21	73.38	74.71	72.99	73.62	75.42	77.08	77.64	78.33	78.33	191.7
315	69.99	68.74	68.34	67.34	68.81	67.36	69.09	71.23	71.80	71.80	193.4
400	71.99	72.13	71.59	71.98	70.59	71.36	74.94	78.48	72.15	77.53	198.4
500	74.92	74.08	73.96	73.55	73.53	76.27	77.32	78.57	75.06	78.54	198.1
630	75.15	76.19	76.93	76.51	76.76	78.36	79.16	79.87	80.32	79.39	198.1
800	76.59	76.99	76.82	77.74	78.49	79.24	80.88	84.30	86.18	84.77	198.6
1000	74.55	75.33	75.18	76.11	75.76	75.83	77.18	77.83	78.38	79.74	198.1
1250	73.50	74.73	74.23	74.98	74.98	75.08	76.39	78.04	79.91	81.38	198.3
1600	76.49	76.24	76.19	76.28	76.01	76.01	76.83	78.63	82.88	83.48	198.7
2000	73.58	74.33	74.49	74.22	74.13	74.13	74.76	76.72	78.42	79.51	198.5
2500	73.18	73.64	73.23	73.83	73.68	73.68	74.66	76.83	78.11	78.88	198.5
3150	77.88	76.92	75.81	75.87	75.84	76.81	78.16	83.87	82.17	83.88	198.8
4000	78.03	78.48	75.50	78.17	78.23	83.10	84.02	84.55	84.87	79.23	198.8
5000	82.55	87.27	85.46	85.66	86.57	91.16	88.02	90.39	87.94	90.15	198.8
6300	78.34	77.26	77.67	77.51	78.88	88.39	81.87	82.57	81.24	84.51	198.9
8000	77.60	77.98	77.89	77.17	79.66	81.75	81.98	81.61	82.33	82.25	198.9
10000	81.41	79.62	79.14	83.74	83.92	83.99	82.67	84.57	83.59	84.78	198.9

MEASURED CASAL
CALCULATED CASAL
PRDE

OAPHL: 199.5

AMBIENT TEMP: 45.2
WET-BULB TEMP: 35.49
BAR. PRESSURE 29.11
ABS. HUMIDITY 2.788

FAA FAY/COMPRESSOR - PHASE 26 + 50 10VS 9 250 CLOSED T/D 2/23/70

RUN#15 RUN#191 SPEED#7900

RADIAL DISTANCE 290

DATE 3/1/77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET															
	1°	2°	30.0	40.0	52.2	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	170.0 (PWL)
5	-2.64	-3.72	-4.56	-5.08	-4.77	-3.67	-4.11	-3.34	-1.38	-3.71	1.000	4.323	9.321			
6	-5.43	-6.44	-7.41	-8.05	-7.65	-6.00	-7.02	-2.93	-1.75	-6.64	8.077	1.727	4.941	0.487		
8	-7.32	-8.42	-9.77	-10.48	-10.16	-8.16	-9.78	-2.54	-1.42	-1.307	1.209	2.587	5.286	7.210		
10	-6.70	-7.67	-8.29	-9.04	-8.17	-6.85	-8.23	-2.23	-1.16	-1.137	1.736	3.601	6.972			
125	-6.18	-7.31	-8.05	-8.11	-7.74	-6.17	-7.40	-1.91	-1.40	4.204	1.399	2.071	2.916	4.292		
160	-5.32	-6.68	-8.04	-8.67	-7.10	-6.23	-1.91	-1.814	1.080	1.603	3.484	4.996	8.133			
200	-3.79	-5.05	-6.22	-7.28	-5.51	-5.22	-1.73	-1.072	1.070	1.735	3.828	5.000	1.109			
250	-2.99	-4.22	-5.19	-6.22	-4.58	-2.79	-1.259	-1.034	1.032	2.107	1.244	7.014	2.479			
300	-2.00	-3.26	-4.06	-5.06	-3.19	-2.64	-0.899	-1.229	1.083	1.148	-1.093	3.524	3.075			
400	-1.60	-2.55	-3.00	-3.60	-2.32	-1.977	-1.22	-1.33	4.040	2.632	1.796	2.901				
500	-1.34	-2.17	-2.60	-3.20	-1.71	-1.73	-0.83	1.389	1.184	5.41	2.093	1.622	1.431			
600	-1.00	-1.94	-2.00	-2.32	-1.315	-1.231	0.225	2.033	4.573	3.244	1.079	1.109	1.400			
800	-0.77	-1.47	-1.62	-1.92	-1.04	-1.10	0.397	1.049	1.575	2.939	1.079	1.109	1.400			
1000	-0.60	-1.24	-1.303	-1.607	-0.820	-0.843	0.037	1.031	1.069	0.000	1.069	1.069	1.069			
1250	-0.52	-1.130	-1.130	-1.602	-0.800	-0.800	0.000	1.000	1.000	1.000	1.000	1.000	1.000			
1500	-0.417	-0.73	-1.130	-1.304	-0.800	-0.800	0.000	1.000	1.000	1.000	1.000	1.000	1.000			
1750	-0.358	-0.51	-0.81	-1.000	-0.800	-0.800	0.000	1.000	1.000	1.000	1.000	1.000	1.000			
2000	-0.264	-0.29	-0.11	-1.52	-1.537	-1.400	0.000	2.000	2.000	2.000	2.000	2.000	2.000			
2500	-0.164	-0.29	-0.73	-2.34	-1.724	-2.943	0.000	4.232	2.197	2.34	1.131	2.166	2.49			
3000	-0.16	-0.24	-0.54	-1.01	-1.40	-1.124	0.000	5.555	2.854	7.180	4.388	2.108	2.108			
4000	-0.103	-0.19	-0.85	-2.77	-2.79	-1.815	0.000	2.000	2.000	2.000	2.000	2.000	2.000			
5000	-0.100	-0.187	-0.35	-1.239	-1.432	-1.595	0.000	1.794	2.076	1.899	2.818	1.899	1.899			

E59

AMBIENT TEMP. 45.02
 AIR TEMP. 35.49
 BAR. PRESS. 29.11
 ABS. HUMIDITY 2.784

FAA FA/CO*PRESSOR - PHASE 5B + 5C IQVS 9 L60 CLOSED T/D 2/23/78

FAA ID R03191 SPEED 7000

DATE: 3/23/72

PAGE: 2

RADIAL DISTANCE 250

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET																	
	2.2	2.2	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0
20	-2.80	-3.26	-3.69	-3.12	-4.39	-3.02	-4.15	-1.67	-1.30	-1.30	-1.30	-1.30	-1.30	-1.30	-1.30	-1.30	-1.30	-1.30
40	-5.96	-5.36	-5.39	-5.24	-4.56	-3.90	-3.24	-1.05	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77
60	-8.23	-6.20	-5.42	-5.28	-4.81	-3.55	-3.24	-1.57	-1.68	-1.68	-1.68	-1.68	-1.68	-1.68	-1.68	-1.68	-1.68	-1.68
80	-7.30	-6.02	-5.97	-5.20	-4.80	-3.32	-3.21	-1.72	-1.61	-1.61	-1.61	-1.61	-1.61	-1.61	-1.61	-1.61	-1.61	-1.61
100	-7.46	-6.24	-5.11	-7.06	-6.84	-5.64	-3.40	-1.71	-1.71	-1.71	-1.71	-1.71	-1.71	-1.71	-1.71	-1.71	-1.71	-1.71
125	-6.51	-6.44	-5.11	-8.59	-6.90	-3.14	-2.08	-1.70	-1.70	-1.70	-1.70	-1.70	-1.70	-1.70	-1.70	-1.70	-1.70	-1.70
160	-4.48	-5.24	-4.18	-4.18	-3.94	-2.29	-1.38	-1.38	-1.38	-1.38	-1.38	-1.38	-1.38	-1.38	-1.38	-1.38	-1.38	-1.38
200	-3.05	-4.14	-4.21	-2.53	-4.17	-2.93	-1.59	-1.59	-1.59	-1.59	-1.59	-1.59	-1.59	-1.59	-1.59	-1.59	-1.59	-1.59
250	-1.48	-2.61	-2.69	-2.57	-3.09	-2.71	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22
300	-1.79	-1.73	-2.39	-1.47	-3.75	-2.20	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48	-1.48
400	-3.42	-3.54	-1.11	-1.64	-4.23	-1.13	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25
500	-3.60	-2.33	-1.47	-1.44	-2.83	-1.67	-1.55	-1.55	-1.55	-1.55	-1.55	-1.55	-1.55	-1.55	-1.55	-1.55	-1.55	-1.55
600	-5.85	-4.72	-1.63	-2.27	-3.76	-1.42	-1.74	-1.74	-1.74	-1.74	-1.74	-1.74	-1.74	-1.74	-1.74	-1.74	-1.74	-1.74
800	-2.59	-1.03	-1.51	-1.43	-1.51	-1.70	-1.53	-1.53	-1.53	-1.53	-1.53	-1.53	-1.53	-1.53	-1.53	-1.53	-1.53	-1.53
1000	-0.40	-4.43	-1.43	-3.73	-4.75	-2.46	-1.83	-2.47	-2.47	-2.47	-2.47	-2.47	-2.47	-2.47	-2.47	-2.47	-2.47	-2.47
1250	-5.99	-3.43	-1.38	-1.07	-4.80	-2.96	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90	-1.90
1600	-3.86	-3.19	-1.98	-1.98	-3.30	-1.81	-1.81	-1.81	-1.81	-1.81	-1.81	-1.81	-1.81	-1.81	-1.81	-1.81	-1.81	-1.81
2000	-4.40	-4.00	-1.80	-1.80	-3.24	-1.80	-1.80	-1.80	-1.80	-1.80	-1.80	-1.80	-1.80	-1.80	-1.80	-1.80	-1.80	-1.80
2500	-3.25	-4.41	-3.80	-2.12	-3.97	-1.82	-1.93	-1.93	-1.93	-1.93	-1.93	-1.93	-1.93	-1.93	-1.93	-1.93	-1.93	-1.93
3100	-2.41	-1.78	-4.04	-1.48	-3.80	-1.99	-2.06	-2.06	-2.06	-2.06	-2.06	-2.06	-2.06	-2.06	-2.06	-2.06	-2.06	-2.06
4000	-6.34	-2.13	-2.72	-1.91	-3.92	-1.92	-2.06	-2.06	-2.06	-2.06	-2.06	-2.06	-2.06	-2.06	-2.06	-2.06	-2.06	-2.06
5000	-2.90	-3.53	-1.80	-1.80	-3.13	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94	-1.94
6300	-1.98	-2.29	-1.90	-1.74	-3.01	-1.83	-1.83	-1.83	-1.83	-1.83	-1.83	-1.83	-1.83	-1.83	-1.83	-1.83	-1.83	-1.83
8000	-1.27	-3.50	-2.92	-1.27	-1.88	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77
10000	-1.27	-3.50	-2.92	-1.27	-1.88	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77	-1.77

E61

AMBIENT TEMP. 65.00
-ET-BULB TEMP. 35.49
BAR. PRESSURE 29.11
ABS. HUMIDITY 2.768

FAA FAN/COMPRESSOR - PHASE DB & DC 10VS 9 DEG CLOSED T/D 2/23/70

RUN#15 RUN#194 SPE-UM8100

DATE: 3/23/72

RADIAL DISTANCE 250

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET									
	7.2	12.2	21.2	32.2	40.2	52.2	65.2	70.0	82.2	90.0
50	74.56	77.65	79.34	77.73	75.27	77.35	74.03	76.69	77.73	77.33
63	73.27	76.54	82.35	78.33	75.27	80.89	76.21	77.23	76.39	76.94
87	72.12	75.18	79.76	75.00	75.07	80.34	76.06	77.71	79.31	80.83
102	72.09	75.38	78.03	76.00	76.00	79.11	77.84	79.43	80.23	81.70
122	75.59	78.48	77.23	78.11	76.28	79.47	80.52	81.83	80.08	80.34
142	74.45	75.55	75.45	76.54	76.89	79.73	79.89	81.81	80.37	80.39
162	73.07	74.31	73.45	76.17	74.56	78.91	77.02	78.41	78.99	79.13
202	72.12	72.98	71.11	75.49	72.61	78.09	76.17	78.07	78.92	77.85
252	69.74	73.71	71.07	74.22	70.54	78.43	74.88	75.81	77.27	75.78
302	73.78	76.89	73.40	76.31	78.48	78.78	74.18	72.88	75.35	75.44
352	75.35	78.05	77.45	78.12	75.22	80.29	76.87	77.38	77.33	76.76
402	77.59	80.16	81.39	82.71	80.05	82.77	80.79	83.43	82.33	80.18
452	77.31	80.09	81.11	82.71	80.51	84.47	83.05	82.90	83.54	80.82
502	75.09	78.42	76.14	79.09	79.09	83.38	79.15	79.76	80.78	82.36
552	75.93	82.33	83.19	87.15	80.81	86.81	83.07	81.83	83.35	83.18
602	77.71	82.54	82.23	84.53	80.16	86.57	84.68	82.88	83.38	83.08
652	75.09	81.84	82.36	81.99	83.06	85.04	81.81	81.13	82.35	83.81
702	75.72	79.87	80.78	81.88	79.74	86.07	79.91	83.41	81.19	81.98
752	80.75	82.23	79.91	85.83	80.31	88.40	83.54	85.48	84.58	81.47
802	81.85	85.84	79.88	84.98	84.78	89.78	86.47	85.11	86.51	85.79
852	84.27	90.16	88.15	88.07	83.96	91.08	92.83	91.19	92.72	93.83
902	88.83	84.74	83.12	86.33	81.19	92.33	84.67	85.36	83.44	87.38
952	88.93	88.54	88.81	87.88	85.32	94.29	84.78	84.39	84.38	82.14
1002	88.19	89.85	79.85	89.51	88.89	96.58	83.64	89.71	87.39	86.27
1052	92.41	96.18	95.12	97.47	99.16	100.0	96.96	96.93	98.37	98.48
1102	91.57	95.89	94.42	97.17	94.09	101.9	97.14	97.82	98.39	96.18
1152	125.8	110.5	106.7	110.5	100.3	114.3	110.1	111.6	111.8	110.5

0APHL: 139.2

AMBIENT TEMP: 45.02
WET-BULB TEMP: 39.49
BAR. PRESSURE: 29.11
ABS. HUMIDITY: 2.768

FAA FAN/COMPRESSOR - PHASE 9B - 5C IGVS 9 DEG CLOSED T/D 2/23/72

RUN:15 AUG:19= SPEED:8340

DATE: 3/25/77

RADIAL DISTANCE 290

PAGE 1 2

SOUL PRESSURE LEVELS DIRECTIVITY INDEX

PRESS	ANGLES FROM INLET									
	7.5	15.7	22.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0
50	-4.25	-1.20	-3.68	-1.21	-3.68	-1.39	-4.11	-2.24	-1.21	-1.61
60	-6.47	-3.20	-6.873	-1.41	-4.47	-3.951	-3.54	-2.54	-1.35	-1.798
70	-7.86	-4.80	-7.28	-3.90	-4.91	-3.988	-3.32	-2.27	-1.79	-2.476
80	-7.87	-5.39	-7.84	-4.77	-5.66	-4.77	-3.66	-2.93	-1.32	-2.537
90	-6.16	-6.88	-7.33	-6.75	-6.28	-5.89	-5.05	-3.32	-4.29	-3.931
100	-8.28	-7.15	-7.24	-6.16	-5.81	-5.20	-4.61	-3.89	-3.072	-3.990
110	-5.82	-4.38	-5.41	-2.72	-4.33	-3.81	-3.87	-3.83	-3.918	-3.882
120	-5.39	-4.32	-6.39	-2.82	-4.86	-4.379	-4.34	-3.645	-3.378	-3.259
130	-5.52	-4.55	-4.19	-1.24	-4.72	-4.166	-4.16	-3.39	-3.814	-3.520
140	-1.45	-3.29	-1.73	1.887	-4.77	-3.584	-3.34	-2.54	-1.878	-1.617
150	-2.88	1.084	-3.91	1.298	-2.63	2.451	-1.78	-1.88	-1.518	-1.274
160	-3.91	-1.85	-0.917	1.499	-1.16	1.508	-4.02	2.317	1.213	-1.86
170	-5.73	-2.64	-2.23	-0.89	3.77	1.129	-3.14	-3.56	-2.872	-2.408
180	-4.05	-0.93	-4.17	-1.26	-1.65	3.172	-0.82	-1.44	-1.553	-1.745
190	-6.02	-1.44	-3.19	1.21	1.34	3.332	-0.79	-1.84	-1.34	-1.89
200	-5.42	-1.85	-3.80	1.398	1.931	3.440	1.476	-1.805	-1.647	-1.998
210	-5.95	-0.14	-3.884	1.440	-0.879	3.691	-0.89	-1.721	-1.578	-1.62
220	-5.11	-1.28	-0.872	1.135	-1.89	3.224	-0.948	-1.666	-1.389	-1.872
230	-2.71	-1.23	-3.35	1.574	-0.33	3.886	-1.88	-1.843	-1.28	-1.78
240	-2.08	-2.89	-0.83	0.71	-1.20	4.092	-1.87	-1.837	-1.274	-1.674
250	-5.78	1.833	-1.82	-1.31	-0.81	1.911	2.896	1.217	2.749	3.856
260	-5.74	-1.12	-2.44	5.604	-4.58	6.560	-1.89	-4.89	-3.24	-1.619
270	-6.29	-7.84	-6.31	7.988	-4.88	7.988	-1.62	-1.93	-1.83	-1.77
280	-3.18	-2.42	-8.22	1.238	-4.18	8.389	-4.63	-2.56	-2.88	-4.23
290										

AMBIENT TEMP, 45.88
REFRIGERANT TEMP, 35.40
BAR, PRESSURE 29.11
ABS, HUMIDITY 2.780

FAA FAN COMPRESSOR - PHASE 50 + 50 10VS 9 DEG CLOSED T/D 2/23/79

PLV=15

R00=195

SPEED=8300

DATE 3/5/72

PAGE 1

RADIAL DISTANCE 250

SOLN. PRESSURE LEVELS REDUCED AT STANDARD DAY

PREC.	ANGLE FROM INLET									
	7.2	10.0	20.0	30.0	40.0	51.2	60.2	70.0	80.0	90.0
50	75.50	75.21	74.46	74.66	74.41	75.18	74.53	77.13	78.08	77.09
60	72.61	73.27	76.14	74.33	74.47	75.27	75.63	78.35	79.39	81.10
80	71.65	73.78	74.39	74.76	75.07	76.04	77.45	78.25	79.72	82.03
100	72.82	74.15	73.56	75.74	76.48	77.03	78.02	79.57	82.44	85.97
125	75.55	76.05	75.07	76.78	78.09	78.07	80.17	83.36	86.05	87.84
150	75.95	77.32	76.71	77.88	78.74	79.67	82.32	84.84	88.12	89.72
175	73.61	72.24	72.93	73.30	74.12	75.58	76.76	78.62	79.19	79.39
200	71.21	70.66	68.72	69.39	71.59	74.09	75.42	77.08	78.20	75.55
225	74.91	72.48	71.77	69.86	69.50	72.98	75.25	76.21	79.88	74.34
250	75.07	72.92	71.69	70.71	72.29	73.68	72.20	73.13	74.86	77.77
275	75.58	76.31	77.26	78.22	77.54	78.05	76.56	77.34	77.18	79.04
300	76.81	79.46	79.55	81.99	80.07	81.33	81.22	82.24	82.53	82.34
325	77.52	80.69	81.29	83.05	85.11	83.83	83.05	85.93	85.59	88.61
350	74.06	76.85	77.12	76.09	78.40	80.00	80.30	81.72	80.16	81.27
375	70.51	70.91	84.02	86.10	88.01	89.18	88.72	91.92	89.37	89.00
400	78.08	81.82	83.71	86.26	89.41	89.33	84.48	83.22	85.01	85.16
425	78.38	78.79	83.06	83.97	83.90	83.70	82.74	81.06	82.34	84.32
450	78.49	77.53	80.79	80.63	80.51	80.79	80.33	81.07	80.59	82.88
475	80.08	79.11	78.07	80.49	83.42	83.78	82.04	80.79	83.79	77.08
500	83.91	83.42	79.08	80.72	83.39	84.71	86.18	85.03	86.12	88.38
525	83.24	86.99	88.00	86.89	84.12	86.55	90.01	90.14	91.18	87.42
550	88.53	81.46	84.66	83.42	81.73	83.53	84.67	86.28	84.87	83.19
575	79.03	84.31	79.07	79.80	80.46	82.18	82.70	83.72	83.58	79.81
600	79.31	78.79	78.07	80.08	82.39	82.79	83.12	85.29	84.78	84.01
625	91.05	93.69	94.50	95.61	95.77	96.11	96.39	97.28	97.76	98.77
650	91.20	93.20	93.35	92.28	95.29	95.70	96.34	97.16	97.45	98.22
675	100.2	100.7	100.7	100.7	100.7	100.9	111.1	111.5	111.7	100.6
700	100.2	100.7	100.7	100.7	100.7	100.9	111.1	111.5	111.7	100.6

GRAPH 1 190.0

AMBIENT TEMP 45.00
WET-BULB TEMP 35.40
BAR. PRESSURE 29.11
ABS. HUMIDITY 2.738

FAA FA/COMPRESSOR - PHASE 5B - SC 10VS 9 DEG CLOSED T/C 2/23/70

RUN 15 RJG-19A SPEED=8900

MEASURED GASOL
CALCULATED GASOL
PNDB

DATE 5/15/72

RADIAL DISTANCE 250

PAGE 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET															
	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	
125	-3.65	-4.02	-4.77	-4.57	-4.81	-5.00	-4.11	-4.69	-2.10	-1.13	-1.33	0.320	4.002	8.498		
150	-3.52	-3.87	-4.59	-4.39	-4.63	-4.88	-3.99	-4.50	-2.02	-1.01	-1.21	0.320	4.002	8.498		
175	-6.48	-6.55	-5.94	-5.26	-5.43	-4.71	-3.57	-3.10	-1.26	-0.77	-1.236	2.407	5.597	8.302		
200	-6.10	-6.60	-7.77	-6.98	-7.23	-6.48	-5.84	-5.57	-3.10	-1.26	-0.77	1.249	2.771	6.120	7.291	
225	-6.68	-7.49	-8.11	-7.23	-7.73	-6.97	-6.21	-5.90	-3.40	-1.248	-0.809	3.883	3.935	4.568	5.355	
250	-6.93	-8.32	-8.53	-7.17	-7.44	-6.84	-6.17	-5.79	-3.06	-1.248	-0.809	3.883	3.935	4.568	5.355	
275	-6.72	-8.27	-7.72	-6.53	-6.34	-5.82	-5.22	-4.82	-2.25	-1.149	-0.753	3.779	3.789	5.420	3.844	
300	-2.13	-2.20	-1.90	-1.25	-1.25	-1.32	-1.44	-2.91	-2.80	-1.44	-1.44	3.560	1.574	3.020	4.888	
325	-2.73	-1.30	-1.30	-1.37	-1.37	-1.38	-1.38	-1.32	-1.32	-1.32	-1.32	1.934	3.239	1.900	3.831	
350	-0.62	-3.45	-3.85	-2.34	-2.34	-2.34	-2.34	-1.00	-2.793	-1.00	-1.00	1.471	0.801	1.358	1.358	
375	-2.37	-3.38	-2.34	-1.34	-1.34	-1.34	-1.34	-1.00	-2.793	-1.00	-1.00	1.471	0.801	1.358	1.358	
400	-5.88	3.42	2.850	5.818	3.651	4.814	3.651	3.624	1.43	1.43	1.43	2.801	2.801	2.801	2.801	
425	-5.33	1.63	2.924	3.981	1.984	1.43	1.43	1.43	1.43	1.43	1.43	2.801	2.801	2.801	2.801	
450	-0.93	-3.47	1.448	1.697	1.536	1.761	1.761	1.761	1.761	1.761	1.761	1.761	1.761	1.761	1.761	
475	-0.23	-2.19	1.352	0.599	1.761	1.761	1.761	1.761	1.761	1.761	1.761	1.761	1.761	1.761	1.761	
500	-0.81	-2.72	-2.82	2.619	1.761	1.761	1.761	1.761	1.761	1.761	1.761	1.761	1.761	1.761	1.761	
525	-1.74	-2.82	-2.72	1.637	1.043	1.043	1.043	1.043	1.043	1.043	1.043	1.043	1.043	1.043	1.043	
550	-0.57	-1.88	-2.554	1.76	1.043	1.043	1.043	1.043	1.043	1.043	1.043	1.043	1.043	1.043	1.043	
575	-0.11	-2.12	1.451	1.74	1.043	1.043	1.043	1.043	1.043	1.043	1.043	1.043	1.043	1.043	1.043	
600	-0.82	-0.82	-2.16	-0.74	-0.74	-0.74	-0.74	-0.74	-0.74	-0.74	-0.74	-0.74	-0.74	-0.74	-0.74	
625	-2.93	-3.47	-2.40	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	-1.50	

E65

E65

A-SILE T TEMP 43.00
 A-SILE S TEMP 35.40
 B-SILE TEMP 25.00
 ABS. HUMIDITY 2.788

CA-PAV/C-PRP-5000 - PHASE 52 + 90 14VS 0 DEG CLOSED 7/3 2/23/70

P. 313 230-196 SPECUM-5000

DATE: 2/23/77

PAGE: 1

RADIAL DISTANCE 139

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

REF	17.0	2	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PHL)
52	85.86			52.7	62.8	78.0	89.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	90.0	120.4
53	86.21				66.08			70.29	69.82	71.97	68.82	70.08	71.15	72.32				120.7
54	86.59				64.58			69.54	69.02	72.12	59.03	69.75	71.04	72.30				120.8
55	87.45				69.18			68.53	64.79	71.14	60.87	71.69	71.10	72.51				120.9
56	87.93				64.83			67.05	66.08	69.93	68.81	70.30	70.09	72.26				121.0
57	87.45				63.77			68.03	66.63	70.07	69.93	71.84	71.15	72.31				121.1
58	87.75				62.33			65.97	64.28	66.62	67.32	68.92	69.13	70.78				121.2
59	88.24				61.14			62.74	61.61	63.59	63.48	65.58	66.10	67.75				121.3
60	88.31				60.14			63.57	63.97	65.94	65.75	67.52	67.92	69.58				121.4
61	88.33				60.83			68.28	66.39	69.48	70.24	72.04	72.82	74.93				121.5
62	88.17				60.25			70.20	68.16	70.99	72.87	72.86	72.88	74.64				121.6
63	88.09				60.80			69.41	67.44	70.68	72.39	72.95	72.31	74.82				121.7
64	88.25				60.86			68.58	67.17	70.10	70.81	72.40	70.94	73.13				121.8
65	88.17				74.67			74.12	72.12	73.92	70.83	70.95	75.20	72.72				121.9
66	88.39				74.47			73.21	71.96	74.99	75.82	70.98	74.36	73.49				122.0
67	88.25				74.60			74.41	73.38	76.08	76.68	70.90	70.33	70.37				122.1
68	88.43				75.07			75.24	75.38	76.46	77.16	70.43	73.82	71.46				122.2
69	88.39				73.11			73.89	73.82	74.69	77.71	77.49	73.88	72.81				122.3
70	88.68				82.41			85.49	80.28	86.16	89.56	84.28	82.46	82.88				122.4
71	88.45				79.17			88.11	72.49	81.14	82.91	83.48	78.43	77.81				122.5
72	88.37				79.18			76.09	79.39	83.12	81.48	82.92	76.95	75.73				122.6
73	88.25				80.56			82.14	82.57	82.13	81.87	80.85	79.78	78.31				122.7
74	88.25				79.97			76.24	78.27	79.42	81.53	82.18	76.41	76.27				122.8
75	88.120				83.92			78.99	79.46	84.85	83.69	83.93	76.41	76.29				122.9
76	88.0				88.97			91.16	89.78	93.47	94.44	93.49	90.12	89.52				123.0
77	88.6				88.89			90.13	88.61	92.66	93.77	93.02	89.82	89.48				123.1
78	88.1				103.9			109.4	104.6	107.9	109.1	109.5	103.9	103.3				123.2

E66

MEASURED CASPL
CALCULATED CASPL
PNCB

QAPHL1

139.9

ADDITIONAL DATA
STANDARD TIME 34.22
BAR PRESSURE 29.19
AER. HUMIDITY 3.48

FAA FAN COMPRESSOR - PAGE 58 OF 50 (UVS 9 DEG CLOSED T/7 2/23/77)

RUN=15 RUN=109 SPE=29200

RADIAL DISTANCE 150

SOUND PRESSURE LEVELS DIRECTIVITY IND=Y

ANGLE FROM INLET	RADIAL DISTANCE 150											
	15.0	21.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0
15.0	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41
21.0	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41
30.0	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41
40.0	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41
50.0	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41
60.0	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41
70.0	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41
80.0	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41
90.0	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41
100.0	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41
110.0	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41
120.0	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41	-8.41

AUC - TEMP 41.02
 STC - TEMP 34.00
 PH - PRESS 29.19
 PSI - ALIV 3.40

FAA FA /COMPRESSOR - PHASE 9B + 9C IUGS 0 DEG CLOSED T/D 2/23/78

S. 112 011010R
 SPEED 5700

DATE: 3/16/77

RADIAL DISTANCE 150

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET									
	17.2	25.2	32.2	43.2	55.2	66.2	78.2	88.2	90.2	100.2
43	-1.12	-1.53	-1.99	-2.46	-2.93	-3.40	-3.87	-4.34	-4.81	-5.28
47	-1.96	-2.37	-2.78	-3.19	-3.60	-4.01	-4.42	-4.83	-5.24	-5.65
51	-2.72	-3.13	-3.54	-3.95	-4.36	-4.77	-5.18	-5.59	-6.00	-6.41
115	-2.04	-2.45	-2.86	-3.27	-3.68	-4.09	-4.50	-4.91	-5.32	-5.73
125	-1.81	-2.22	-2.63	-3.04	-3.45	-3.86	-4.27	-4.68	-5.09	-5.50
165	-1.70	-2.11	-2.52	-2.93	-3.34	-3.75	-4.16	-4.57	-4.98	-5.39
277	-1.68	-2.09	-2.50	-2.91	-3.32	-3.73	-4.14	-4.55	-4.96	-5.37
257	1.915	1.915	1.915	1.915	1.915	1.915	1.915	1.915	1.915	1.915
315	2.113	2.113	2.113	2.113	2.113	2.113	2.113	2.113	2.113	2.113
47	2.175	2.175	2.175	2.175	2.175	2.175	2.175	2.175	2.175	2.175
521	2.274	2.274	2.274	2.274	2.274	2.274	2.274	2.274	2.274	2.274
632	1.399	1.399	1.399	1.399	1.399	1.399	1.399	1.399	1.399	1.399
372	4.215	4.215	4.215	4.215	4.215	4.215	4.215	4.215	4.215	4.215
1700	2.326	2.326	2.326	2.326	2.326	2.326	2.326	2.326	2.326	2.326
1253	3.737	3.737	3.737	3.737	3.737	3.737	3.737	3.737	3.737	3.737
1622	3.738	3.738	3.738	3.738	3.738	3.738	3.738	3.738	3.738	3.738
2204	3.732	3.732	3.732	3.732	3.732	3.732	3.732	3.732	3.732	3.732
2500	4.879	4.879	4.879	4.879	4.879	4.879	4.879	4.879	4.879	4.879
3152	-1.49	-1.90	-2.31	-2.72	-3.13	-3.54	-3.95	-4.36	-4.77	-5.18
4000	-2.83	-3.24	-3.65	-4.06	-4.47	-4.88	-5.29	-5.70	-6.11	-6.52
5700	1.353	1.353	1.353	1.353	1.353	1.353	1.353	1.353	1.353	1.353
6300	2.879	2.879	2.879	2.879	2.879	2.879	2.879	2.879	2.879	2.879
8000	4.837	4.837	4.837	4.837	4.837	4.837	4.837	4.837	4.837	4.837
10000	5.886	5.886	5.886	5.886	5.886	5.886	5.886	5.886	5.886	5.886

E69

AMBIENT TEMP. 42.22
WET-BULB TEMP. 38.22
WAT. PRESSURE 29.19
ABS. HUMIDITY 3.482

FAA FA/COMPRESSOR - PHASE 50 + 50 IOVS 9 DB0 CLOSED T/D 2/23/78

RUM115 RUM104 SPEED=5500

DATE: 2/22/77

RADIAL DISTANCE 150

PAGE: 2

SOURCE PRESSURE LEVELS DIRECTIVITY INDEX

	2.0	3.0	4.0	5.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PUL)
FREQ																	
30	-2.47	-2.05	1.009	-2.12	1.137	1.110	2.045	4.010	7.907								
50	-2.12	-1.93	1.003	-1.32	1.307	1.702	2.177	4.354	7.290								
80	-2.71	-2.02	1.506	-1.56	1.179	2.115	2.989	4.484	7.339								
120	-2.56	-1.239	-1.455	-2.17	3.206	3.007	3.979	3.576	4.450								
125	-1.19	-1.13	1.679	-1.23	1.541	2.275	3.574	3.996	6.244								
150	-2.17	-1.00	1.319	-1.65	1.847	3.111	3.800	3.053	5.118								
200	-2.47	-1.398	-1.266	-0.82	1.769	4.006	3.382	3.982	3.777								
250	-3.247	-1.384	1.0913	-1.08	1.323	2.310	2.757	4.349	4.000								
315	1.717	-1.46	1.6753	-0.54	1.007	2.151	3.333	4.746	3.106								
420	1.955	-1.46	1.110	-0.87	1.075	2.741	3.558	4.150	2.951								
500	1.354	1.369	1.094	-0.59	1.370	2.924	3.011	3.061	3.283								
600	-2.245	1.5046	1.029	-0.97	1.796	3.282	4.035	3.499	3.354								
800	3.747	1.357	1.109	-0.75	2.031	2.383	3.233	2.314	1.082								
1000	2.715	1.303	1.220	-0.95	2.450	2.263	4.320	1.493	7.159								
1300	3.106	1.507	1.230	-0.59	2.370	2.010	3.944	1.000	4.326								
1500	3.143	1.343	1.007	-0.95	2.008	2.002	3.116	-0.389	1.128								
2000	3.026	1.104	1.013	-0.96	3.762	2.196	3.793	-1.877	-2.11								
2500	4.131	1.101	1.063	-0.99	2.064	3.114	3.072	-1.99	-2.10								
3000	1.540	1.261	1.509	-1.03	3.316	4.383	2.087	-2.59	-1.41								
4000	1.547	2.298	1.424	-0.73	2.030	4.048	2.037	-2.11	-1.41								
5000	1.510	1.904	1.311	-2.156	3.971	2.000	4.139	-3.14	-2.00								
6000	3.260	1.9473	1.914	3.194	2.051	4.048	3.326	-3.37	-2.02								
8000	1.075	2.777	1.0594	0.100	1.995	4.406	3.200	-2.70	-1.522								
10000	1.401	4.695	-1.130	0.501	1.610	2.596	3.086	-2.95	-2.09								

E71

AIR TEMP. 41.02
WET-BULB TEMP. 33.02
BAR. PRESSURE 27.19
ABS. HUMIDITY 3.433

FAA FAN/COMPRESSOR - PHASE BB - SC INVS 9 DEG CLOSED T/D 2/23/70

RV#15 RV#157 SPEEDS 52

DATE: 5/16/78

RADIAL DISTANCE 150

PAGE: 1

SOURCE PRESSURE LEVELS REDUCED AT STANDARD DAY

	7.2	17.2	27.2	37.2	47.2	57.2	67.2	77.2	87.2	97.2	107.2	117.2	127.2	137.2	147.2	157.2	167.2	177.2	187.2	197.2	207.2
ANGLE FROM INLET	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0	70.0
32	72.24	72.44	72.58	72.66	72.73	72.78	72.81	72.83	72.84	72.85	72.86	72.87	72.88	72.89	72.90	72.91	72.92	72.93	72.94	72.95	72.96
33	72.17	71.38	70.58	69.78	68.98	68.18	67.38	66.58	65.78	64.98	64.18	63.38	62.58	61.78	60.98	60.18	59.38	58.58	57.78	56.98	56.18
34	69.73	70.13	70.53	70.93	71.33	71.73	72.13	72.53	72.93	73.33	73.73	74.13	74.53	74.93	75.33	75.73	76.13	76.53	76.93	77.33	77.73
35	74.43	74.83	75.23	75.63	76.03	76.43	76.83	77.23	77.63	78.03	78.43	78.83	79.23	79.63	80.03	80.43	80.83	81.23	81.63	82.03	82.43
36	74.01	74.41	74.81	75.21	75.61	76.01	76.41	76.81	77.21	77.61	78.01	78.41	78.81	79.21	79.61	80.01	80.41	80.81	81.21	81.61	82.01
37	67.89	68.29	68.69	69.09	69.49	69.89	70.29	70.69	71.09	71.49	71.89	72.29	72.69	73.09	73.49	73.89	74.29	74.69	75.09	75.49	75.89
38	67.47	67.87	68.27	68.67	69.07	69.47	69.87	70.27	70.67	71.07	71.47	71.87	72.27	72.67	73.07	73.47	73.87	74.27	74.67	75.07	75.47
39	66.92	67.32	67.72	68.12	68.52	68.92	69.32	69.72	70.12	70.52	70.92	71.32	71.72	72.12	72.52	72.92	73.32	73.72	74.12	74.52	74.92
40	74.97	75.37	75.77	76.17	76.57	76.97	77.37	77.77	78.17	78.57	78.97	79.37	79.77	80.17	80.57	80.97	81.37	81.77	82.17	82.57	82.97
41	72.41	72.81	73.21	73.61	74.01	74.41	74.81	75.21	75.61	76.01	76.41	76.81	77.21	77.61	78.01	78.41	78.81	79.21	79.61	80.01	80.41
42	76.13	76.53	76.93	77.33	77.73	78.13	78.53	78.93	79.33	79.73	80.13	80.53	80.93	81.33	81.73	82.13	82.53	82.93	83.33	83.73	84.13
43	77.92	78.32	78.72	79.12	79.52	79.92	80.32	80.72	81.12	81.52	81.92	82.32	82.72	83.12	83.52	83.92	84.32	84.72	85.12	85.52	85.92
44	77.92	78.32	78.72	79.12	79.52	79.92	80.32	80.72	81.12	81.52	81.92	82.32	82.72	83.12	83.52	83.92	84.32	84.72	85.12	85.52	85.92
45	80.15	80.55	80.95	81.35	81.75	82.15	82.55	82.95	83.35	83.75	84.15	84.55	84.95	85.35	85.75	86.15	86.55	86.95	87.35	87.75	88.15
46	82.22	82.62	83.02	83.42	83.82	84.22	84.62	85.02	85.42	85.82	86.22	86.62	87.02	87.42	87.82	88.22	88.62	89.02	89.42	89.82	90.22
47	81.86	82.26	82.66	83.06	83.46	83.86	84.26	84.66	85.06	85.46	85.86	86.26	86.66	87.06	87.46	87.86	88.26	88.66	89.06	89.46	89.86
48	79.68	80.08	80.48	80.88	81.28	81.68	82.08	82.48	82.88	83.28	83.68	84.08	84.48	84.88	85.28	85.68	86.08	86.48	86.88	87.28	87.68
49	82.72	83.12	83.52	83.92	84.32	84.72	85.12	85.52	85.92	86.32	86.72	87.12	87.52	87.92	88.32	88.72	89.12	89.52	89.92	90.32	90.72
50	83.99	84.39	84.79	85.19	85.59	85.99	86.39	86.79	87.19	87.59	87.99	88.39	88.79	89.19	89.59	89.99	90.39	90.79	91.19	91.59	91.99
51	83.62	84.02	84.42	84.82	85.22	85.62	86.02	86.42	86.82	87.22	87.62	88.02	88.42	88.82	89.22	89.62	90.02	90.42	90.82	91.22	91.62
52	83.62	84.02	84.42	84.82	85.22	85.62	86.02	86.42	86.82	87.22	87.62	88.02	88.42	88.82	89.22	89.62	90.02	90.42	90.82	91.22	91.62
53	81.97	82.37	82.77	83.17	83.57	83.97	84.37	84.77	85.17	85.57	85.97	86.37	86.77	87.17	87.57	87.97	88.37	88.77	89.17	89.57	89.97
54	84.68	85.08	85.48	85.88	86.28	86.68	87.08	87.48	87.88	88.28	88.68	89.08	89.48	89.88	90.28	90.68	91.08	91.48	91.88	92.28	92.68
55	94.68	95.08	95.48	95.88	96.28	96.68	97.08	97.48	97.88	98.28	98.68	99.08	99.48	99.88	100.28	100.68	101.08	101.48	101.88	102.28	102.68
56	93.56	93.96	94.36	94.76	95.16	95.56	95.96	96.36	96.76	97.16	97.56	97.96	98.36	98.76	99.16	99.56	99.96	100.36	100.76	101.16	101.56
57	100.5	100.9	101.3	101.7	102.1	102.5	102.9	103.3	103.7	104.1	104.5	104.9	105.3	105.7	106.1	106.5	106.9	107.3	107.7	108.1	108.5

E72

MEASURED GASPL
TALS LATER GASPL

QAPHL: 148.4

A PLANT TEMP. 41.30
REF-BULB TEMP. 35.00
GAS PRESSURE 29.19
ABS. HUMIDITY 3.483

FAIRWAY/COMPRESSOR - PHASE 5B + 5C 10VS 9 DEG CLOSED 7/D 2/23/78

5/16/78 5:30:10a SPEED=6700

DATE 3/16/72

RADIAL DISTANCE 158

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

PRESS	ANGLES FROM INLET									
	0°	10°	20°	30°	40°	50°	60°	70°	80°	90°
1000	-1.23	-1.23	-1.23	-1.23	-1.23	-1.23	-1.23	-1.23	-1.23	-1.23
800	-1.30	-1.30	-1.30	-1.30	-1.30	-1.30	-1.30	-1.30	-1.30	-1.30
600	-1.33	-1.33	-1.33	-1.33	-1.33	-1.33	-1.33	-1.33	-1.33	-1.33
400	-1.41	-1.41	-1.41	-1.41	-1.41	-1.41	-1.41	-1.41	-1.41	-1.41
200	-1.61	-1.61	-1.61	-1.61	-1.61	-1.61	-1.61	-1.61	-1.61	-1.61
100	-2.03	-2.03	-2.03	-2.03	-2.03	-2.03	-2.03	-2.03	-2.03	-2.03
50	-2.38	-2.38	-2.38	-2.38	-2.38	-2.38	-2.38	-2.38	-2.38	-2.38
25	-2.51	-2.51	-2.51	-2.51	-2.51	-2.51	-2.51	-2.51	-2.51	-2.51
15	-2.83	-2.83	-2.83	-2.83	-2.83	-2.83	-2.83	-2.83	-2.83	-2.83
10	-3.15	-3.15	-3.15	-3.15	-3.15	-3.15	-3.15	-3.15	-3.15	-3.15
5	-3.45	-3.45	-3.45	-3.45	-3.45	-3.45	-3.45	-3.45	-3.45	-3.45
0	-3.75	-3.75	-3.75	-3.75	-3.75	-3.75	-3.75	-3.75	-3.75	-3.75
1000	-1.23	-1.23	-1.23	-1.23	-1.23	-1.23	-1.23	-1.23	-1.23	-1.23
800	-1.30	-1.30	-1.30	-1.30	-1.30	-1.30	-1.30	-1.30	-1.30	-1.30
600	-1.33	-1.33	-1.33	-1.33	-1.33	-1.33	-1.33	-1.33	-1.33	-1.33
400	-1.41	-1.41	-1.41	-1.41	-1.41	-1.41	-1.41	-1.41	-1.41	-1.41
200	-1.61	-1.61	-1.61	-1.61	-1.61	-1.61	-1.61	-1.61	-1.61	-1.61
100	-2.03	-2.03	-2.03	-2.03	-2.03	-2.03	-2.03	-2.03	-2.03	-2.03
50	-2.38	-2.38	-2.38	-2.38	-2.38	-2.38	-2.38	-2.38	-2.38	-2.38
25	-2.51	-2.51	-2.51	-2.51	-2.51	-2.51	-2.51	-2.51	-2.51	-2.51
15	-2.83	-2.83	-2.83	-2.83	-2.83	-2.83	-2.83	-2.83	-2.83	-2.83
10	-3.15	-3.15	-3.15	-3.15	-3.15	-3.15	-3.15	-3.15	-3.15	-3.15
5	-3.45	-3.45	-3.45	-3.45	-3.45	-3.45	-3.45	-3.45	-3.45	-3.45
0	-3.75	-3.75	-3.75	-3.75	-3.75	-3.75	-3.75	-3.75	-3.75	-3.75

E73

AIRWAY TEMP. 41.00
 REF. TEMP. 35.22
 BAR. PRESSURE 29.19
 ABS. HUMIDITY 3.481

FAA FAN/COMPRESSOR - PHASE 50 + 50 INVS 9 DEG CLOSED T/D 2/23/70

PL 410 PL 410R S=0.00070

DATE: 3/26/11

RADIAL DISTANCE 159

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET															
	17.2	21.3	30.3	40.3	52.2	67.2	78.0	88.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0 (PUL)
5	78.25	72.89	72.26	70.35	73.91	73.08	75.18	76.46	79.37							120.4
63	69.79	69.95	72.13	70.64	73.46	73.91	75.35	76.93	79.75							121.4
3	68.36	68.68	71.66	69.74	73.89	74.11	75.33	76.93	79.75							122.4
12	73.83	74.48	73.01	71.67	75.24	76.19	78.89	79.78	79.89							123.4
125	72.56	70.35	72.39	70.38	73.55	74.25	75.91	76.16	77.37							124.4
162	67.47	68.13	70.97	68.86	72.26	73.36	76.81	76.30	74.3							125.4
222	67.84	67.95	69.39	67.88	70.18	73.44	72.88	72.76	70.3							126.4
252	65.97	65.20	65.29	63.66	66.46	67.08	68.15	69.05	70.26							127.4
315	72.78	68.53	69.68	67.99	70.41	71.49	73.83	74.95	73.91							128.4
422	74.65	71.06	72.09	71.4	74.93	75.39	78.00	77.54	77.43							129.4
522	73.45	73.06	74.83	72.55	75.97	77.44	78.47	78.28	77.96							130.4
632	73.83	73.19	73.87	71.46	75.55	76.31	76.46	79.54	72.0							131.4
872	75.46	73.11	72.87	70.46	73.83	74.33	74.86	73.97	73.0							132.4
1252	76.97	77.84	77.98	75.93	79.39	79.31	80.84	78.46	77.1							133.4
1622	80.09	79.22	78.76	76.56	79.89	78.72	80.27	77.25	76.0							134.4
2222	82.04	81.48	81.21	79.37	83.89	82.38	82.34	78.93	77.3							135.4
2502	83.55	80.50	80.31	80.66	83.42	81.47	82.71	77.86	77.3							136.4
3152	81.55	78.54	79.28	78.84	80.99	80.95	81.22	78.46	75.3							137.4
4002	79.46	81.49	84.24	79.87	81.80	84.22	82.87	77.33	73.8							138.4
5002	80.28	91.07	92.11	90.98	92.04	93.38	90.41	86.80	85.7							139.4
5322	80.19	83.90	81.78	83.56	89.41	84.39	85.27	78.29	78.1							140.4
6322	86.15	84.64	84.74	83.49	85.84	86.48	84.94	77.73	78.48							141.4
8202	85.44	85.16	84.62	83.59	83.74	88.99	86.94	83.22	83.36							142.4
12002	81.68	86.91	81.73	81.80	81.54	87.93	85.58	78.97	79.83							143.4
MEASURED GASPL	94.93	96.86	96.41	94.85	97.59	98.18	97.36	93.64	93.93							
CALCULATED GASPL	93.76	93.96	93.39	93.81	96.54	97.38	96.33	92.35	92.83							
PVDE	100.2	110.9	111.6	109.3	112.1	112.6	111.1	107.1	107.1							

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GRAPH: 149.2

ABOVE TEND 91.02
BELOW TEND 92.02
BAR PRESSURE 20.19
H2O HUMIDITY 1.483

MAX 7000 PRESSURE - PHASE 5B - 5C 10VS 9 DEG CLOSED V/N 2/23/78

RUN:05 RUN:05 SPEED:6195

DISCUSSION PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET	90.0	102.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0
73.0	87.2								

[illegible]

INVESTIGATION - PHASE 2B & C IGVIS 9 DEQ CLOSED 7/0 2/23/70

56192705

DATE 5/16/72

RADIAL DISTANCE 150

PAGE 2

SOALD PRESSURE LEVELS DIRECTIVITY INDEX

	12.2	22.2	32.2	42.2	50.7	60.0	70.0	80.2	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0
ANGLE FROM INLET																		
5	-2.78	-1.33	0.927	-1.09	2.173	1.32	2.294	3.083	7.127									
63	-1.64	-1.01	0.613	-1.744	1.743	1.7804	2.412	4.110	7.127									
8	-4.61	-2.13	-0.826	-1.830	1.780	1.780	2.412	4.110	7.127									
10	-4.61	-1.30	-1.47	-3.71	1.807	2.030	3.161	5.194	9.420									
125	-3.83	-1.31	-1.31	-2.41	1.819	2.004	4.478	7.748	11.06									
162	-3.19	-2.32	1.463	-1.31	2.174	2.038	4.803	7.748	11.06									
202	-3.19	-2.32	1.463	-1.31	2.174	2.038	4.803	7.748	11.06									
252	-1.25	-0.604	0.527	-2.04	1.999	2.206	3.697	4.985	5.904									
315	-2.11	-2.11	-1.11	-2.01	1.123	1.692	4.844	5.234	4.360									
402	-1.83	-2.12	-1.82	-2.02	1.998	2.783	3.718	4.281	4.848									
507	-1.727	-1.91	1.804	-1.78	1.936	2.070	4.428	4.283	4.109									
632	-2.126	-1.01	1.7808	-2.07	2.446	3.484	4.330	3.707	3.639									
822	3.143	-1.801	1.252	-1.78	1.443	1.692	3.936	2.783	2.789									
1201	2.131	1.827	1.246	-1.82	2.552	2.262	4.138	1.990	1.827									
1251	2.162	1.500	1.705	-1.87	2.553	2.785	3.880	1.970	1.973									
1602	2.124	1.993	1.678	-1.97	3.170	2.418	3.381	1.938	1.938									
2002	3.125	1.936	1.667	-1.82	3.784	2.116	3.312	-1.804	-1.804									
2502	3.125	1.885	1.921	-1.306	3.643	3.181	3.021	-1.804	-1.804									
3132	1.219	1.339	3.146	-1.33	4.138	4.138	1.971	-1.971	-1.971									
4002	1.401	1.9737	3.750	-1.33	4.138	4.138	1.971	-1.971	-1.971									
5002	2.442	1.239	1.485	1.886	4.036	2.137	3.617	-2.44	-2.44									
6302	2.436	1.774	2.895	1.864	3.991	3.722	2.365	-2.44	-2.44									
8202	-1.155	3.443	1.830	-1.33	4.138	3.971	4.138	-1.17	-1.17									
10002	-1.109	3.800	1.2705	-1.08	1.838	5.017	3.187	-2.24	-2.24									

E77

AIR-TEMP 31.82
 AIR-COLD TEMP 35.82
 AIR PRESSURE 29.9
 AIR HUMIDITY 3.83

FAL FA/COMPRESSOR - PHASE 58 - 50 10VS 9 LEO CLOSED T/D 2/23/78

20115 RUG177 SPEUR12

RADIAL DISTANCE 150

DATE: 3/6/77

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	10.0	20.0	30.2	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
ANGLE FROM INLET	10.0	20.0	30.2	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
50	74.76	72.75	71.24	70.35	69.46	68.57	67.68	66.79	65.90	65.01	64.12	63.23	62.34	61.45	60.56	59.67	58.78	57.89	57.00	56.11
60	73.38	71.37	70.48	69.59	68.70	67.81	66.92	66.03	65.14	64.25	63.36	62.47	61.58	60.69	59.80	58.91	58.02	57.13	56.24	55.35
70	72.00	70.00	69.11	68.22	67.33	66.44	65.55	64.66	63.77	62.88	61.99	61.10	60.21	59.32	58.43	57.54	56.65	55.76	54.87	53.98
80	70.62	68.62	67.73	66.84	65.95	65.06	64.17	63.28	62.39	61.50	60.61	59.72	58.83	57.94	57.05	56.16	55.27	54.38	53.49	52.60
90	69.24	67.24	66.35	65.46	64.57	63.68	62.79	61.90	61.01	60.12	59.23	58.34	57.45	56.56	55.67	54.78	53.89	53.00	52.11	51.22
100	67.86	65.86	64.97	64.08	63.19	62.30	61.41	60.52	59.63	58.74	57.85	56.96	56.07	55.18	54.29	53.40	52.51	51.62	50.73	49.84
110	66.48	64.48	63.59	62.70	61.81	60.92	60.03	59.14	58.25	57.36	56.47	55.58	54.69	53.80	52.91	52.02	51.13	50.24	49.35	48.46
120	65.10	63.10	62.21	61.32	60.43	59.54	58.65	57.76	56.87	55.98	55.09	54.20	53.31	52.42	51.53	50.64	49.75	48.86	47.97	47.08
130	63.72	61.72	60.83	59.94	59.05	58.16	57.27	56.38	55.49	54.60	53.71	52.82	51.93	51.04	50.15	49.26	48.37	47.48	46.59	45.70
140	62.34	60.34	59.45	58.56	57.67	56.78	55.89	55.00	54.11	53.22	52.33	51.44	50.55	49.66	48.77	47.88	46.99	46.10	45.21	44.32
150	60.96	58.96	58.07	57.18	56.29	55.40	54.51	53.62	52.73	51.84	50.95	50.06	49.17	48.28	47.39	46.50	45.61	44.72	43.83	42.94
160	59.58	57.58	56.69	55.80	54.91	54.02	53.13	52.24	51.35	50.46	49.57	48.68	47.79	46.90	46.01	45.12	44.23	43.34	42.45	41.56
170	58.20	56.20	55.31	54.42	53.53	52.64	51.75	50.86	49.97	49.08	48.19	47.30	46.41	45.52	44.63	43.74	42.85	41.96	41.07	40.18
180	56.82	54.82	53.93	53.04	52.15	51.26	50.37	49.48	48.59	47.70	46.81	45.92	45.03	44.14	43.25	42.36	41.47	40.58	39.69	38.80
190	55.44	53.44	52.55	51.66	50.77	49.88	48.99	48.10	47.21	46.32	45.43	44.54	43.65	42.76	41.87	40.98	40.09	39.20	38.31	37.42
200	54.06	52.06	51.17	50.28	49.39	48.50	47.61	46.72	45.83	44.94	44.05	43.16	42.27	41.38	40.49	39.60	38.71	37.82	36.93	36.04
MEASURED GASPL	91.40	90.12	88.84	87.56	86.28	85.00	83.72	82.44	81.16	79.88	78.60	77.32	76.04	74.76	73.48	72.20	70.92	69.64	68.36	67.08
CALCULATED GASPL	91.40	90.12	88.84	87.56	86.28	85.00	83.72	82.44	81.16	79.88	78.60	77.32	76.04	74.76	73.48	72.20	70.92	69.64	68.36	67.08
PVDB	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0

E78

GAPML: 150.0

ADJUST TYP 41.00
 REDUC TYP 35.00
 BAR. PRESSURE 29.19
 AFS. HUMIDITY 3.683

FAA FA 700-PRESSOR - PHASE 30 - 50 : QVS 9 DEG CLOSED T/D 2/23/70

RUN:15 QUG:17: SPEED:0000

DATE: 3/26/72

RADIAL DISTANCE 150

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SOUND PRESSURE LEVELS DIRECTIVITY INDEX

	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0
ANGLE FROM INLET	0.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0
50	-1.33	-2.05	-2.85	-3.55	-4.25	-4.95	-5.65	-6.35	-7.05	-7.75	-8.45	-9.15	-9.85	-10.55	-11.25	-11.95	-12.65	-13.35	-14.05
60	-1.40	-2.10	-2.90	-3.60	-4.30	-5.00	-5.70	-6.40	-7.10	-7.80	-8.50	-9.20	-9.90	-10.60	-11.30	-12.00	-12.70	-13.40	-14.10
70	-1.47	-2.17	-2.97	-3.67	-4.37	-5.07	-5.77	-6.47	-7.17	-7.87	-8.57	-9.27	-9.97	-10.67	-11.37	-12.07	-12.77	-13.47	-14.17
80	-1.54	-2.24	-3.04	-3.74	-4.44	-5.14	-5.84	-6.54	-7.24	-7.94	-8.64	-9.34	-10.04	-10.74	-11.44	-12.14	-12.84	-13.54	-14.24
90	-1.61	-2.31	-3.11	-3.81	-4.51	-5.21	-5.91	-6.61	-7.31	-8.01	-8.71	-9.41	-10.11	-10.81	-11.51	-12.21	-12.91	-13.61	-14.31
100	-1.68	-2.38	-3.18	-3.88	-4.58	-5.28	-5.98	-6.68	-7.38	-8.08	-8.78	-9.48	-10.18	-10.88	-11.58	-12.28	-12.98	-13.68	-14.38
110	-1.75	-2.45	-3.25	-3.95	-4.65	-5.35	-6.05	-6.75	-7.45	-8.15	-8.85	-9.55	-10.25	-10.95	-11.65	-12.35	-13.05	-13.75	-14.45
120	-1.82	-2.52	-3.32	-4.02	-4.72	-5.42	-6.12	-6.82	-7.52	-8.22	-8.92	-9.62	-10.32	-11.02	-11.72	-12.42	-13.12	-13.82	-14.52
130	-1.89	-2.59	-3.39	-4.09	-4.79	-5.49	-6.19	-6.89	-7.59	-8.29	-8.99	-9.69	-10.39	-11.09	-11.79	-12.49	-13.19	-13.89	-14.59
140	-1.96	-2.66	-3.46	-4.16	-4.86	-5.56	-6.26	-6.96	-7.66	-8.36	-9.06	-9.76	-10.46	-11.16	-11.86	-12.56	-13.26	-13.96	-14.66
150	-2.03	-2.73	-3.53	-4.23	-4.93	-5.63	-6.33	-7.03	-7.73	-8.43	-9.13	-9.83	-10.53	-11.23	-11.93	-12.63	-13.33	-14.03	-14.73
160	-2.10	-2.80	-3.60	-4.30	-5.00	-5.70	-6.40	-7.10	-7.80	-8.50	-9.20	-9.90	-10.60	-11.30	-12.00	-12.70	-13.40	-14.10	-14.80
170	-2.17	-2.87	-3.67	-4.37	-5.07	-5.77	-6.47	-7.17	-7.87	-8.57	-9.27	-9.97	-10.67	-11.37	-12.07	-12.77	-13.47	-14.17	-14.87
180	-2.24	-2.94	-3.74	-4.44	-5.14	-5.84	-6.54	-7.24	-7.94	-8.64	-9.34	-10.04	-10.74	-11.44	-12.14	-12.84	-13.54	-14.24	-14.94
190	-2.31	-3.01	-3.81	-4.51	-5.21	-5.91	-6.61	-7.31	-8.01	-8.71	-9.41	-10.11	-10.81	-11.51	-12.21	-12.91	-13.61	-14.31	-15.01
200	-2.38	-3.08	-3.88	-4.58	-5.28	-5.98	-6.68	-7.38	-8.08	-8.78	-9.48	-10.18	-10.88	-11.58	-12.28	-12.98	-13.68	-14.38	-15.08
210	-2.45	-3.15	-3.95	-4.65	-5.35	-6.05	-6.75	-7.45	-8.15	-8.85	-9.55	-10.25	-10.95	-11.65	-12.35	-13.05	-13.75	-14.45	-15.15
220	-2.52	-3.22	-4.02	-4.72	-5.42	-6.12	-6.82	-7.52	-8.22	-8.92	-9.62	-10.32	-11.02	-11.72	-12.42	-13.12	-13.82	-14.52	-15.22
230	-2.59	-3.29	-4.09	-4.79	-5.49	-6.19	-6.89	-7.59	-8.29	-8.99	-9.69	-10.39	-11.09	-11.79	-12.49	-13.19	-13.89	-14.59	-15.29
240	-2.66	-3.36	-4.16	-4.86	-5.56	-6.26	-6.96	-7.66	-8.36	-9.06	-9.76	-10.46	-11.16	-11.86	-12.56	-13.26	-13.96	-14.66	-15.36
250	-2.73	-3.43	-4.23	-4.93	-5.63	-6.33	-7.03	-7.73	-8.43	-9.13	-9.83	-10.53	-11.23	-11.93	-12.63	-13.33	-14.03	-14.73	-15.43
260	-2.80	-3.50	-4.30	-5.00	-5.70	-6.40	-7.10	-7.80	-8.50	-9.20	-9.90	-10.60	-11.30	-12.00	-12.70	-13.40	-14.10	-14.80	-15.50
270	-2.87	-3.57	-4.37	-5.07	-5.77	-6.47	-7.17	-7.87	-8.57	-9.27	-9.97	-10.67	-11.37	-12.07	-12.77	-13.47	-14.17	-14.87	-15.57
280	-2.94	-3.64	-4.44	-5.14	-5.84	-6.54	-7.24	-7.94	-8.64	-9.34	-10.04	-10.74	-11.44	-12.14	-12.84	-13.54	-14.24	-14.94	-15.64
290	-3.01	-3.71	-4.51	-5.21	-5.91	-6.61	-7.31	-8.01	-8.71	-9.41	-10.11	-10.81	-11.51	-12.21	-12.91	-13.61	-14.31	-15.01	-15.71
300	-3.08	-3.78	-4.58	-5.28	-5.98	-6.68	-7.38	-8.08	-8.78	-9.48	-10.18	-10.88	-11.58	-12.28	-12.98	-13.68	-14.38	-15.08	-15.78
310	-3.15	-3.85	-4.65	-5.35	-6.05	-6.75	-7.45	-8.15	-8.85	-9.55	-10.25	-10.95	-11.65	-12.35	-13.05	-13.75	-14.45	-15.15	-15.85
320	-3.22	-3.92	-4.72	-5.42	-6.12	-6.82	-7.52	-8.22	-8.92	-9.62	-10.32	-11.02	-11.72	-12.42	-13.12	-13.82	-14.52	-15.22	-15.92
330	-3.29	-3.99	-4.79	-5.49	-6.19	-6.89	-7.59	-8.29	-8.99	-9.69	-10.39	-11.09	-11.79	-12.49	-13.19	-13.89	-14.59	-15.29	-15.99
340	-3.36	-4.06	-4.86	-5.56	-6.26	-6.96	-7.66	-8.36	-9.06	-9.76	-10.46	-11.16	-11.86	-12.56	-13.26	-13.96	-14.66	-15.36	-16.06
350	-3.43	-4.13	-4.93	-5.63	-6.33	-7.03	-7.73	-8.43	-9.13	-9.83	-10.53	-11.23	-11.93	-12.63	-13.33	-14.03	-14.73	-15.43	-16.13
360	-3.50	-4.20	-5.00	-5.70	-6.40	-7.10	-7.80	-8.50	-9.20	-9.90	-10.60	-11.30	-12.00	-12.70	-13.40	-14.10	-14.80	-15.50	-16.20
370	-3.57	-4.27	-5.07	-5.77	-6.47	-7.17	-7.87	-8.57	-9.27	-9.97	-10.67	-11.37	-12.07	-12.77	-13.47	-14.17	-14.87	-15.57	-16.27
380	-3.64	-4.34	-5.14	-5.84	-6.54	-7.24	-7.94	-8.64	-9.34	-10.04	-10.74	-11.44	-12.14	-12.84	-13.54	-14.24	-14.94	-15.64	-16.34
390	-3.71	-4.41	-5.21	-5.91	-6.61	-7.31	-8.01	-8.71	-9.41	-10.11	-10.81	-11.51	-12.21	-12.91	-13.61	-14.31	-15.01	-15.71	-16.41
400	-3.78	-4.48	-5.28	-5.98	-6.68	-7.38	-8.08	-8.78	-9.48	-10.18	-10.88	-11.58	-12.28	-12.98	-13.68	-14.38	-15.08	-15.78	-16.48
410	-3.85	-4.55	-5.35	-6.05	-6.75	-7.45	-8.15	-8.85	-9.55	-10.25	-10.95	-11.65	-12.35	-13.05	-13.75	-14.45	-15.15	-15.85	-16.55
420	-3.92	-4.62	-5.42	-6.12	-6.82	-7.52	-8.22	-8.92	-9.62	-10.32	-11.02	-11.72	-12.42	-13.12	-13.82	-14.52	-15.22	-15.92	-16.62
430	-3.99	-4.69	-5.49	-6.19	-6.89	-7.59	-8.29	-8.99	-9.69	-10.39	-11.09	-11.79	-12.49	-13.19	-13.89	-14.59	-15.29	-15.99	-16.69
440	-4.06	-4.76	-5.56	-6.26	-6.96	-7.66	-8.36	-9.06	-9.76	-10.46	-11.16	-11.86	-12.56	-13.26	-13.96	-14.66	-15.36	-16.06	-16.76
450	-4.13	-4.83	-5.63	-6.33	-7.03	-7.73	-8.43	-9.13	-9.83	-10.53	-11.23	-11.93	-12.63	-13.33	-14.03	-14.73	-15.43	-16.13	-16.83
460	-4.20	-4.90	-5.70	-6.40	-7.10	-7.80	-8.50	-9.20	-9.90	-10.60	-11.30	-12.00	-12.70	-13.40	-14.10	-14.80	-15.50	-16.20	-16.90
470	-4.27	-4.97	-5.77	-6.47	-7.17	-7.87	-8.57	-9.27	-9.97	-10.67	-11.37	-12.07	-12.77	-13.47	-14.17	-14.87	-15.57	-16.27	-16.97
480	-4.34	-5.04	-5.84	-6.54	-7.24	-7.94	-8.64	-9.34	-10.04	-10.74	-11.44	-12.14	-12.84	-13.54	-14.24	-14.94	-15.64	-16.34	-17.04
490	-4.41	-5.11	-5.91	-6.61	-7.31	-8.01	-8.71	-9.41	-10.11	-10.81	-11.51	-12.21	-12.91	-13.61	-14.31	-15.01	-15.71	-16.41	-17.11
500	-4.48	-5.18	-5.98	-6.68	-7.38	-8.08	-8.78	-9.48	-10.18	-10.88	-11.58	-12.28	-12.98	-13.68	-14.38	-15.08	-15.78	-16.48	-17.18
510	-4.55	-5.25	-6.05	-6.75	-7.45	-8.15	-8.85	-9.55	-10.25	-10.95	-11.65	-12.35	-13.05	-13.75	-14.45	-15.15	-15.85	-16.55	-17.25
520	-4.62	-5.32	-6.12	-6.82	-7.52	-8.22	-8.92	-9.62	-10.32	-11.02	-11.72	-12.42	-13.12	-13.82	-14.52	-15.22	-15.92	-16.62	-17.32
530	-4.69	-5.39	-6.19	-6.89	-7.59	-8.29	-8.99	-9.69	-10.39	-11.09	-11.79	-12.49	-13.19	-13.89	-14.59	-15.29	-15.99	-16.69	-17.39
540	-4.76	-5.46	-6.26	-6.96	-7.66	-8.36	-9.06	-9.76	-10.46	-11.16	-11.86	-12.56	-13.26	-13.96	-14.66	-15.36	-16.06	-16.76	-17.46
550	-4.83	-5.53	-6.33	-7.03	-7.73	-8.43	-9.13	-9.83	-10.53	-11.23	-11.93	-12.63	-13.33	-14.03	-14.73	-15.43	-16.13	-16.83	-17.53
560	-4.90	-5.60	-6.40	-7.10	-7.80	-8.50	-9.20	-9.90	-10.60	-11.30	-12.00	-12.70	-13.40	-14.10	-14.80	-15.50	-16.20	-16.90	-17.60
570	-4.97	-5.67	-6.47	-7.17	-7.87	-8.57	-9.27	-9.97	-10.67	-11.37	-12.07	-12.77	-13.47	-14.17	-14.87	-15.57	-16.27	-16.97	-17.67
580	-5.04	-5.74	-6.54	-7.24	-7.94	-8.64	-9.34	-10.04	-10.74	-11.44	-12.14	-12.84	-13.54	-14.24	-14.94	-15.64	-16.34	-17.04	-17.74
590	-5.11	-5.81	-6.61	-7.31	-8.01	-8.71	-9.41	-10.11	-10.81	-11.51	-12.21	-12.91	-13.61	-14.31	-15.01	-15.71	-16.41	-17.11	-17.81
600	-5.18	-5.88	-6.68	-7.38	-8.08	-8.78	-9.48	-10.18	-10.88	-11.58	-12.28	-12.98	-13.68	-14.38	-15.08	-15.78	-16.48	-17.18	-17.88
610	-5.25	-5.95	-6.75	-7.45	-8.15	-8.85	-9.55	-10.25	-10.95	-11.65	-12.35	-13.05	-13.75	-14.45	-15.15	-15.85	-16.55	-17.25	-17.95
620	-5.32	-6.02	-6.82	-7.52	-8.22	-8.92	-9.62	-10.32	-11.02	-11.72	-12.42	-13.12	-13.82	-14.52	-15.22	-15.92	-16.62	-17.32	-18.02
630	-5.39	-6.09	-6.89	-7.59	-8.29	-8.99	-9.69	-10.39	-11.09	-11.79	-12.49	-13.19	-13.89	-14.59	-15.29	-15.99	-16.69	-17.39	-18.09
640	-5.46	-6.16	-6.96	-7.66	-8.36	-9.06	-9.76	-10.46	-11.16	-11.86	-12.56	-13.26	-13.96	-14.66	-15.36	-16.06	-16.76	-17.46	-18.16
650	-5.53	-6.23	-7.03	-7.73	-8.43	-9.13	-9.83	-10.53	-11.23	-11.93	-12.63	-13.33	-14.03	-14.73					

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLE FROM INLET	ANGLE FROM INLET											
	5°	15°	25°	35°	45°	55°	65°	75°	85°	90°	100°	110°
5	-3.53	-2.73	-3.28	-3.09	-3.73	-3.07	-2.07	-2.78	-2.42	-3.08	-2.78	-2.42
15	-3.30	-2.43	-3.01	-2.80	-3.44	-2.78	-1.78	-2.49	-2.13	-2.79	-2.49	-2.13
25	-3.08	-2.21	-2.78	-2.57	-3.21	-2.55	-1.55	-2.26	-1.90	-2.56	-2.26	-1.90
35	-2.85	-1.98	-2.55	-2.34	-2.98	-2.32	-1.32	-2.03	-1.67	-2.33	-2.03	-1.67
45	-2.63	-1.76	-2.32	-2.11	-2.75	-2.09	-1.09	-1.80	-1.44	-2.10	-1.80	-1.44
55	-2.41	-1.54	-2.10	-1.89	-2.52	-1.86	-0.86	-1.57	-1.21	-1.87	-1.57	-1.21
65	-2.19	-1.32	-1.88	-1.67	-2.30	-1.64	-0.64	-1.35	-0.99	-1.65	-1.35	-0.99
75	-1.97	-1.10	-1.66	-1.45	-2.08	-1.42	-0.42	-1.13	-0.77	-1.43	-1.13	-0.77
85	-1.75	-0.88	-1.44	-1.23	-1.86	-1.20	-0.20	-0.91	-0.55	-1.21	-0.91	-0.55
95	-1.53	-0.66	-1.22	-1.01	-1.64	-1.00	-0.00	-0.69	-0.33	-1.01	-0.69	-0.33
105	-1.31	-0.44	-1.00	-0.79	-1.42	-0.78	-0.78	-0.47	-0.11	-0.79	-0.47	-0.11
115	-1.09	-0.22	-0.78	-0.57	-1.20	-0.56	-0.56	-0.25	0.11	-0.57	-0.25	0.11
125	-0.87	-0.00	-0.56	-0.35	-0.98	-0.34	-0.34	-0.03	0.33	-0.35	-0.03	0.33
135	-0.65	0.11	-0.34	-0.13	-0.76	-0.12	-0.12	0.19	0.55	-0.13	0.19	0.55
145	-0.43	0.33	-0.12	0.09	-0.54	0.10	0.10	0.41	0.77	0.09	0.41	0.77
155	-0.21	0.55	0.09	0.30	-0.32	0.30	0.30	0.61	0.97	0.30	0.61	0.97
165	0.01	0.77	0.30	0.51	-0.10	0.51	0.51	0.82	1.18	0.51	0.82	1.18
175	0.23	0.99	0.51	0.72	0.12	0.72	0.72	1.03	1.39	0.72	1.03	1.39
185	0.45	1.21	0.72	0.93	0.34	0.93	0.93	1.24	1.60	0.93	1.24	1.60
195	0.67	1.43	0.93	1.15	0.56	1.15	1.15	1.46	1.82	1.15	1.46	1.82
205	0.89	1.65	1.15	1.37	0.78	1.37	1.37	1.68	2.04	1.37	1.68	2.04
215	1.11	1.87	1.37	1.59	1.00	1.59	1.59	1.90	2.26	1.59	1.90	2.26
225	1.33	2.09	1.59	1.81	1.22	1.81	1.81	2.12	2.48	1.81	2.12	2.48
235	1.55	2.31	1.81	2.03	1.44	2.03	2.03	2.34	2.70	2.03	2.34	2.70
245	1.77	2.53	2.03	2.25	1.66	2.25	2.25	2.56	2.92	2.25	2.56	2.92
255	1.99	2.75	2.25	2.47	1.88	2.47	2.47	2.78	3.14	2.47	2.78	3.14
265	2.21	2.97	2.47	2.69	2.10	2.69	2.69	3.00	3.36	2.69	3.00	3.36
275	2.43	3.19	2.69	2.91	2.32	2.91	2.91	3.22	3.58	2.91	3.22	3.58
285	2.65	3.41	2.91	3.13	2.54	3.13	3.13	3.44	3.80	3.13	3.44	3.80
295	2.87	3.63	3.13	3.35	2.76	3.35	3.35	3.66	4.02	3.35	3.66	4.02
305	3.09	3.85	3.35	3.57	2.98	3.57	3.57	3.88	4.24	3.57	3.88	4.24
315	3.31	4.07	3.57	3.79	3.20	3.79	3.79	4.10	4.46	3.79	4.10	4.46
325	3.53	4.29	3.79	4.01	3.42	4.01	4.01	4.32	4.68	4.01	4.32	4.68
335	3.75	4.51	4.01	4.23	3.64	4.23	4.23	4.54	4.90	4.23	4.54	4.90
345	3.97	4.73	4.23	4.45	3.86	4.45	4.45	4.76	5.12	4.45	4.76	5.12
355	4.19	4.95	4.45	4.67	4.08	4.67	4.67	4.98	5.34	4.67	4.98	5.34
365	4.41	5.17	4.67	4.89	4.30	4.89	4.89	5.20	5.56	4.89	5.20	5.56
375	4.63	5.39	4.89	5.11	4.52	5.11	5.11	5.42	5.78	5.11	5.42	5.78
385	4.85	5.61	5.11	5.33	4.74	5.33	5.33	5.64	6.00	5.33	5.64	6.00
395	5.07	5.83	5.33	5.55	4.96	5.55	5.55	5.86	6.22	5.55	5.86	6.22
405	5.29	6.05	5.55	5.77	5.18	5.77	5.77	6.08	6.44	5.77	6.08	6.44
415	5.51	6.27	5.77	5.99	5.40	5.99	5.99	6.30	6.66	5.99	6.30	6.66
425	5.73	6.49	5.99	6.21	5.62	6.21	6.21	6.52	6.88	6.21	6.52	6.88
435	5.95	6.71	6.21	6.43	5.84	6.43	6.43	6.74	7.10	6.43	6.74	7.10
445	6.17	6.93	6.43	6.65	6.06	6.65	6.65	6.96	7.32	6.65	6.96	7.32
455	6.39	7.15	6.65	6.87	6.28	6.87	6.87	7.18	7.54	6.87	7.18	7.54
465	6.61	7.37	6.87	7.09	6.50	7.09	7.09	7.40	7.76	7.09	7.40	7.76
475	6.83	7.59	7.09	7.31	6.72	7.31	7.31	7.62	7.98	7.31	7.62	7.98
485	7.05	7.81	7.31	7.53	6.94	7.53	7.53	7.84	8.20	7.53	7.84	8.20
495	7.27	8.03	7.53	7.75	7.16	7.75	7.75	8.06	8.42	7.75	8.06	8.42
505	7.49	8.25	7.75	7.97	7.38	7.97	7.97	8.28	8.64	7.97	8.28	8.64
515	7.71	8.47	7.97	8.19	7.60	8.19	8.19	8.50	8.86	8.19	8.50	8.86
525	7.93	8.69	8.19	8.41	7.82	8.41	8.41	8.72	9.08	8.41	8.72	9.08
535	8.15	8.91	8.41	8.63	8.04	8.63	8.63	8.94	9.30	8.63	8.94	9.30
545	8.37	9.13	8.63	8.85	8.26	8.85	8.85	9.16	9.52	8.85	9.16	9.52
555	8.59	9.35	8.85	9.07	8.48	9.07	9.07	9.38	9.74	9.07	9.38	9.74
565	8.81	9.57	9.07	9.29	8.70	9.29	9.29	9.60	9.96	9.29	9.60	9.96
575	9.03	9.79	9.29	9.51	8.92	9.51	9.51	9.82	10.18	9.51	9.82	10.18
585	9.25	10.01	9.51	9.73	9.14	9.73	9.73	10.04	10.40	9.73	10.04	10.40
595	9.47	10.23	9.73	9.95	9.36	9.95	9.95	10.26	10.62	9.95	10.26	10.62
605	9.69	10.45	9.95	10.17	9.58	10.17	10.17	10.48	10.84	10.17	10.48	10.84
615	9.91	10.67	10.17	10.39	9.80	10.39	10.39	10.70	11.06	10.39	10.70	11.06
625	10.13	10.89	10.39	10.61	10.02	10.61	10.61	10.92	11.28	10.61	10.92	11.28
635	10.35	11.11	10.61	10.83	10.24	10.83	10.83	11.14	11.50	10.83	11.14	11.50
645	10.57	11.33	10.83	11.05	10.46	11.05	11.05	11.36	11.72	10.83	11.36	11.72
655	10.79	11.55	11.05	11.27	10.68	11.27	11.27	11.58	11.94	11.05	11.58	11.94
665	11.01	11.77	11.27	11.49	10.90	11.49	11.49	11.80	12.16	11.27	11.80	12.16
675	11.23	11.99	11.49	11.71	11.12	11.71	11.71	12.02	12.38	11.49	12.02	12.38
685	11.45	12.21	11.71	11.93	11.34	11.93	11.93	12.24	12.60	11.71	12.24	12.60
695	11.67	12.43	11.93	12.15	11.56	12.15	12.15	12.46	12.82	11.93	12.46	12.82
705	11.89	12.65	12.15	12.37	11.78	12.37	12.37	12.68	13.04	12.15	12.68	13.04
715	12.11	12.87	12.37	12.59	11.99	12.59	12.59	12.90	13.26	12.37	12.90	13.26
725	12.33	13.09	12.59	12.81	12.20	12.81	12.81	13.12	13.48	12.59	13.12	13.48
735	12.55	13.31	12.81	13.03	12.42	13.03	13.03	13.34	13.70	12.81	13.34	13.70
745	12.77	13.53	13.03	13.25	12.64	13.25	13.25	13.56	13.92	13.03	13.56	13.92
755	12.99	13.75	13.25	13.47	12.86	13.47	13.47	13.78	14.14	13.25	13.78	14.14
765	13.21	13.97	13.47	13.69	13.08	13.69	13.69	14.00	14.36	13.47	14.00	14.36
775	13.43	14.19	13.69	13.91	13.30	13.91	13.91	14.22	14.58	13.69	14.22	14.58
785	13.65	14.41	13.91	14.13	13.52	14.13	14.13	14.44	14.80	13.91	14.44	14.80
795	13.87	14.63	14.13	14.35	13.74	14.35	14.35	14.66	15.02	14.13	14.66	15.02
805	14.09	14.85	14.35	14.57	13.96	14.57	14.57	14.88	15.24	14.35	14.88	15.24
815	14.31	15.07	14.57	14.79	14.18	14.79	14.79	15.10	15.46	14.57	15.10	15.46
825	14.53	15.29	14.79	15.01	14.40	15.01	15.01	15.32	15.68	14.79	15.32	15.68
835	14.75	15.51	15.01	15.23	14.62	15.23	15.23	15.54	15.90	15.01	15.54	15.90
845	14.97	15.73	15.23	15.45	14.84	15.45	15.45	15.76	16.12	15.23	15.76	16.12
855	15.19	15.95	15.45	15.67	15.06	15.67	15.67	15.98	16.34	15.45	15.98	16.34
865	15.41	16.17	15.67	15.89	15.28	15.89	15.89	16.20	16.56	15.67	16.20	16.56
875	15.63	16.39	15.89	16.11	15.50	16.11	16.11	16.42	16.78	15.89	16.42	16.78
885	15.85	16.61	16.11	16.33	15.72	16.33	16.33	16.64	17.00	16.11	16.64	17.00
895	16.07	16.83	16.33	16.55	15.94	16.55	16.55	16.86	17.22	16.33	16.86	17.22
905	16.29	17.05	16.55	16.77	16.16	16.77	16.77	17.08	17.44	16.55	17.08	17.44
915	16.51	17.27	16.77	16.99	16.38	16.99	16.99	17.30	17.66	16.77	17.30	17.66
925	16.73	17.49	16.99	17.21	16.60	17.21	17.21	17.52	17.88	16.99	17.52	17.88
935	16.95	17.71	17.21	17.43	16.82	17.43	17.43	17.74	18.10	17.21	17.74	18.10
945	17.17	17.93	17.43	17.65	17.04	17.65	17.65	17.96	18.32	17.43	17.96	18.32

RADIAL DISTANCE 190

3/9/77

5" COMPRESSURE LEVELS REDUCED AT STA LARG CAV

ANGLES FROM 1.5"

STATION	7.2	7.4	7.6	7.8	8.0	8.2	8.4	8.6	8.8	9.0	9.2	9.4	9.6	9.8	10.0	10.2	10.4	10.6	10.8	11.0	11.2	11.4	11.6	11.8	12.0	12.2	12.4	12.6	12.8	13.0	13.2	13.4	13.6	13.8	14.0	14.2	14.4	14.6	14.8	15.0	15.2	15.4	15.6	15.8	16.0	16.2	16.4	16.6	16.8	17.0	17.2	17.4	17.6	17.8	18.0	18.2	18.4	18.6	18.8	19.0	19.2	19.4	19.6	19.8	20.0	20.2	20.4	20.6	20.8	21.0	21.2	21.4	21.6	21.8	22.0	22.2	22.4	22.6	22.8	23.0	23.2	23.4	23.6	23.8	24.0	24.2	24.4	24.6	24.8	25.0	25.2	25.4	25.6	25.8	26.0	26.2	26.4	26.6	26.8	27.0	27.2	27.4	27.6	27.8	28.0	28.2	28.4	28.6	28.8	29.0	29.2	29.4	29.6	29.8	30.0	30.2	30.4	30.6	30.8	31.0	31.2	31.4	31.6	31.8	32.0	32.2	32.4	32.6	32.8	33.0	33.2	33.4	33.6	33.8	34.0	34.2	34.4	34.6	34.8	35.0	35.2	35.4	35.6	35.8	36.0	36.2	36.4	36.6	36.8	37.0	37.2	37.4	37.6	37.8	38.0	38.2	38.4	38.6	38.8	39.0	39.2	39.4	39.6	39.8	40.0	40.2	40.4	40.6	40.8	41.0	41.2	41.4	41.6	41.8	42.0	42.2	42.4	42.6	42.8	43.0	43.2	43.4	43.6	43.8	44.0	44.2	44.4	44.6	44.8	45.0	45.2	45.4	45.6	45.8	46.0	46.2	46.4	46.6	46.8	47.0	47.2	47.4	47.6	47.8	48.0	48.2	48.4	48.6	48.8	49.0	49.2	49.4	49.6	49.8	50.0	50.2	50.4	50.6	50.8	51.0	51.2	51.4	51.6	51.8	52.0	52.2	52.4	52.6	52.8	53.0	53.2	53.4	53.6	53.8	54.0	54.2	54.4	54.6	54.8	55.0	55.2	55.4	55.6	55.8	56.0	56.2	56.4	56.6	56.8	57.0	57.2	57.4	57.6	57.8	58.0	58.2	58.4	58.6	58.8	59.0	59.2	59.4	59.6	59.8	60.0	60.2	60.4	60.6	60.8	61.0	61.2	61.4	61.6	61.8	62.0	62.2	62.4	62.6	62.8	63.0	63.2	63.4	63.6	63.8	64.0	64.2	64.4	64.6	64.8	65.0	65.2	65.4	65.6	65.8	66.0	66.2	66.4	66.6	66.8	67.0	67.2	67.4	67.6	67.8	68.0	68.2	68.4	68.6	68.8	69.0	69.2	69.4	69.6	69.8	70.0	70.2	70.4	70.6	70.8	71.0	71.2	71.4	71.6	71.8	72.0	72.2	72.4	72.6	72.8	73.0	73.2	73.4	73.6	73.8	74.0	74.2	74.4	74.6	74.8	75.0	75.2	75.4	75.6	75.8	76.0	76.2	76.4	76.6	76.8	77.0	77.2	77.4	77.6	77.8	78.0	78.2	78.4	78.6	78.8	79.0	79.2	79.4	79.6	79.8	80.0	80.2	80.4	80.6	80.8	81.0	81.2	81.4	81.6	81.8	82.0	82.2	82.4	82.6	82.8	83.0	83.2	83.4	83.6	83.8	84.0	84.2	84.4	84.6	84.8	85.0	85.2	85.4	85.6	85.8	86.0	86.2	86.4	86.6	86.8	87.0	87.2	87.4	87.6	87.8	88.0	88.2	88.4	88.6	88.8	89.0	89.2	89.4	89.6	89.8	90.0	90.2	90.4	90.6	90.8	91.0	91.2	91.4	91.6	91.8	92.0	92.2	92.4	92.6	92.8	93.0	93.2	93.4	93.6	93.8	94.0	94.2	94.4	94.6	94.8	95.0	95.2	95.4	95.6	95.8	96.0	96.2	96.4	96.6	96.8	97.0	97.2	97.4	97.6	97.8	98.0	98.2	98.4	98.6	98.8	99.0	99.2	99.4	99.6	99.8	100.0	100.2	100.4	100.6	100.8	101.0	101.2	101.4	101.6	101.8	102.0	102.2	102.4	102.6	102.8	103.0	103.2	103.4	103.6	103.8	104.0	104.2	104.4	104.6	104.8	105.0	105.2	105.4	105.6	105.8	106.0	106.2	106.4	106.6	106.8	107.0	107.2	107.4	107.6	107.8	108.0	108.2	108.4	108.6	108.8	109.0	109.2	109.4	109.6	109.8	110.0	110.2	110.4	110.6	110.8	111.0	111.2	111.4	111.6	111.8	112.0	112.2	112.4	112.6	112.8	113.0	113.2	113.4	113.6	113.8	114.0	114.2	114.4	114.6	114.8	115.0	115.2	115.4	115.6	115.8	116.0	116.2	116.4	116.6	116.8	117.0	117.2	117.4	117.6	117.8	118.0	118.2	118.4	118.6	118.8	119.0	119.2	119.4	119.6	119.8	120.0	120.2	120.4	120.6	120.8	121.0	121.2	121.4	121.6	121.8	122.0	122.2	122.4	122.6	122.8	123.0	123.2	123.4	123.6	123.8	124.0	124.2	124.4	124.6	124.8	125.0	125.2	125.4	125.6	125.8	126.0	126.2	126.4	126.6	126.8	127.0	127.2	127.4	127.6	127.8	128.0	128.2	128.4	128.6	128.8	129.0	129.2	129.4	129.6	129.8	130.0	130.2	130.4	130.6	130.8	131.0	131.2	131.4	131.6	131.8	132.0	132.2	132.4	132.6	132.8	133.0	133.2	133.4	133.6	133.8	134.0	134.2	134.4	134.6	134.8	135.0	135.2	135.4	135.6	135.8	136.0	136.2	136.4	136.6	136.8	137.0	137.2	137.4	137.6	137.8	138.0	138.2	138.4	138.6	138.8	139.0	139.2	139.4	139.6	139.8	140.0	140.2	140.4	140.6	140.8	141.0	141.2	141.4	141.6	141.8	142.0	142.2	142.4	142.6	142.8	143.0	143.2	143.4	143.6	143.8	144.0	144.2	144.4	144.6	144.8	145.0	145.2	145.4	145.6	145.8	146.0	146.2	146.4	146.6	146.8	147.0	147.2	147.4	147.6	147.8	148.0	148.2	148.4	148.6	148.8	149.0	149.2	149.4	149.6	149.8	150.0	150.2	150.4	150.6	150.8	151.0	151.2	151.4	151.6	151.8	152.0	152.2	152.4	152.6	152.8	153.0	153.2	153.4	153.6	153.8	154.0	154.2	154.4	154.6	154.8	155.0	155.2	155.4	155.6	155.8	156.0	156.2	156.4	156.6	156.8	157.0	157.2	157.4	157.6	157.8	158.0	158.2	158.4	158.6	158.8	159.0	159.2	159.4	159.6	159.8	160.0	160.2	160.4	160.6	160.8	161.0	161.2	161.4	161.6	161.8	162.0	162.2	162.4	162.6	162.8	163.0	163.2	163.4	163.6	163.8	164.0	164.2	164.4	164.6	164.8	165.0	165.2	165.4	165.6	165.8	166.0	166.2	166.4	166.6	166.8	167.0	167.2	167.4	167.6	167.8	168.0	168.2	168.4	168.6	168.8	169.0	169.2	169.4	169.6	169.8	170.0	170.2	170.4	170.6	170.8	171.0	171.2	171.4	171.6	171.8	172.0	172.2	172.4	172.6	172.8	173.0	173.2	173.4	173.6	173.8	174.0	174.2	174.4	174.6	174.8	175.0	175.2	175.4	175.6	175.8	176.0	176.2	176.4	176.6	176.8	177.0	177.2	177.4	177.6	177.8	178.0	178.2	178.4	178.6	178.8	179.0	179.2	179.4	179.6	179.8	180.0	180.2	180.4	180.6	180.8	181.0	181.2	181.4	181.6	181.8	182.0	182.2	182.4	182.6	182.8	183.0	183.2	183.4	183.6	183.8	184.0	184.2	184.4	184.6	184.8	185.0	185.2	185.4	185.6	185.8	186.0	186.2	186.4	186.6	186.8	187.0	187.2	187.4	187.6	187.8	188.0	188.2	188.4	188.6	188.8	189.0	189.2	189.4	189.6	189.8	190.0	190.2	190.4	190.6	190.8	191.0	191.2	191.4	191.6	191.8	192.0	192.2	192.4	192.6	192.8	193.0	193.2	193.4	193.6	193.8	194.0	194.2	194.4	194.6	194.8	195.0	195.2	195.4	195.6	195.8	196.0	196.2	196.4	196.6	196.8	197.0	197.2	197.4	197.6	197.8	198.0	198.2	198.4	198.6	198.8	199.0	199.2	199.4	199.6	199.8	200.0	200.2	200.4	200.6	200.8	201.0	201.2	201.4	201.6	201.8	202.0	202.2	202.4	202.6	202.8	203.0	203.2	203.4	203.6	203.8	204.0	204.2	204.4	204.6	204.8	205.0	205.2	205.4	205.6	205.8	206.0	206.2	206.4	206.6	206.8	207.0	207.2	207.4	207.6	207.8	208.0	208.2	208.4	208.6	208.8	209.0	209.2	209.4	209.6	209.8	210.0	210.2	210.4	210.6	210.8	211.0	211.2	211.4	211.6	211.8	212.0	212.2	212.4	212.6	212.8	213.0	213.2	213.4	213.6	213.8	214.0	214.2	214.4	214.6	214.8	215.0	215.2	215.4	215.6	215.8	216.0	216.2	216.4	216.6	216.8	217.0	217.2	217.4	217.6	217.8	218.0	218.2	218.4	218.6	218.8	219.0	219.2	219.4	219.6	219.8	220.0	220.2	220.4	220.6	220.8	221.0	221.2	221.4	221.6	221.8	222.0	222.2	222.4	222.6	222.8	223.0	223.2	223.4	223.6	223.8	224.0	224.2	224.4	224.6	224.8	225.0	225.2	225.4	225.6	225.8	226.0	226.2	226.4	226.6	226.8	227.0	227.2	227.4	227.6	227.8	228.0	228.2	228.4	228.6	228.8	229.0	229.2	229.4	229.6	229.8	230.0	230.2	230.4	230.6	230.8	231.0	231.2	231.4	231.6	231.8	232.0	232.2	232.4	232.6	232.8	233.0	233.2	233.4	233.6	233.8	234.0	234.2	234.4	234.6	234.8	235.0	235.2	235.4	235.6	235.8	236.0	236.2	236.4	236.6	236.8	237.0	237.2	237.4	237.6	237.8	238.0	238.2	238.4	238.6	238.8	239.0	239.2	239.4	239.6	239.8	240.0	240.2	240.4	240.6	240.8	241.0	241.2	241.4	241.6	241.8	242.0	242.2	242.4	242.6	242.8	243.0	243.2	243.4	243.6	243.8	244.0	244.2	244.4	244.6	244.8	245.0	245.2	245.4	245.6	245.8	246.0	246.2	246.4	246.6	246.8	247.0	247.2	247.4	247.6	247.8	248.0	248.2	248.4	248.6	248.8	249.0	249.2	249.4	249.6	249.8	250.0	250.2	250.4	250.6	250.8	251.0	251.2	251.4	251.6	251.8	252.0	252.2	252.4	252.6	252.8	253.0	253.2	253.4	253.6	253.8	254.0	254.2	254.4	254.6	254.8	255.0	255.2	255.4	255.6	255.8	256.0	256.2	256.4	256.6	256.8	257.0	257.2	257.4	257.6	257.8	258.0	258.2	258.4	258.6	258.8	259.0</
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DATE 5/29/77

RADIAL DISTANCE 156

PAGE 1 2

SCALA PRESSURE LEVELS DIRECTIONALITY 1 DEG

	1.7	2.7	3.7	4.7	5.7	6.7	7.7	8.7	9.7	10.7	11.7	12.7	13.7	14.7	15.7	16.7	17.7	18.7	19.7	20.7
ANGLE FROM INLET																				
5	-4.17	-1.251	-1.257	-4.22	5.143	6.759	2.469	4.704	8.435											
63	-3.12	-1.222	-1.24	-5.78	8.879	8.12	2.582	5.774	8.029											
87	-4.85	-1.158	-1.04	-4.27	1.289	1.793	3.157	5.718	8.423											
127	-3.82	-1.11	-1.03	-4.14	8.894	1.259	3.617	5.292	7.442											
155	-1.37	1.837	1.439	-3.99	-1.16	1.985	3.164	3.777	6.57											
187	-3.49	2.532	1.714	-3.45	2.239	2.59	3.544	4.831	5.818											
227	-2.71	1.715	-1.742	-3.31	2.534	4.274	3.128	4.291	2.885											
257	-1.11	2.572	-3.33	-2.67	2.24	2.708	2.354	3.438	2.17											
315	-1.74	4.596	-3.21	-1.297	2.893	2.688	3.584	4.118												
343	-1.485	1.627	3.292	-2.93	1.839	3.249	3.972	4.686	4.293											
423	2.974	3.663	1.389	-2.69	1.628	3.548	4.283	3.435	3.857											
502	-3.22	1.111	1.989	-2.99	2.171	3.331	3.955	3.484	2.879											
602	1.925	1.767	1.744	-2.11	3.191	3.739	3.392	2.192	1.449											
1212	1.442	1.723	1.513	-2.12	2.893	2.286	4.197	1.927	3.412											
1297	1.772	2.119	1.244	-2.24	3.214	2.991	3.357	1.7437	1.225											
1638	2.165	2.158	2.881	-1.81	3.392	2.583	3.518	2.811	-1.117											
2082	3.282	1.549	1.459	-1.82	4.122	3.133	3.224	1.93	2.17											
2522	3.221	8.241	2.613	-1.21	3.823	3.233	2.823	2.79	2.27											
3132	-1.84	3.944	4.359	-2.22	4.566	4.154	1.898	-3.59	-2.29											
4282	-2.65	4.254	2.427	-1.34	4.552	2.896	1.349	2.78	3.29											
5382	-1.42	4.917	1.175	-2.25	3.121	2.154	6.316	-2.61	-3.31											
6387	-1.953	1.122	1.734	-1.35	3.192	4.293	1.987	-4.67	-4.21											
8022	-1.15	3.546	1.237	-1.49	3.863	3.539	2.853	-3.48	-2.14											
12243	-1.165	4.239	1.717	-1.87	3.185	2.829	4.159	-3.49	-2.46											

E83

AMBIENT TEMP: 42.83
 WET-BULB TEMP: 34.88
 BAR. PRESS RE 29.19
 ABS. HUMIDITY 2.983

FAA FAV/COMPRESSOR - PHASE 5B - 5C 10VS 9 DEG C 35E T/D 2/23/77

FUEL 5 3.3173 SPEED 712

DATE: 1/9/7

RAPID DISTANCE 150

PAGE 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	1.12	2.12	3.12	4.12	5.12	6.12	7.12	8.12	9.12	10.12	11.12	12.12	13.12	14.12	15.12	16.12	17.12	18.12	19.12	20.12
1000	71.77	73.75	75.82	77.88	79.96	82.04	84.12	86.20	88.28	90.36	92.44	94.52	96.60	98.68	100.76	102.84	104.92	107.00	109.08	111.16
500	73.57	75.55	77.62	79.69	81.77	83.84	85.92	87.99	90.07	92.14	94.22	96.29	98.37	100.45	102.52	104.60	106.68	108.75	110.83	112.91
250	75.37	77.35	79.42	81.49	83.57	85.64	87.72	89.79	91.87	93.94	96.02	98.09	100.17	102.24	104.32	106.39	108.47	110.54	112.62	114.69
125	77.17	79.15	81.22	83.29	85.37	87.44	89.52	91.59	93.67	95.74	97.82	99.89	101.97	104.04	106.12	108.19	110.27	112.34	114.42	116.49
63	78.97	80.95	82.92	84.90	86.97	89.04	91.12	93.19	95.27	97.34	99.42	101.49	103.57	105.64	107.72	109.79	111.87	113.94	116.02	118.09
31.5	80.77	82.75	84.72	86.70	88.77	90.84	92.92	94.99	97.07	99.14	101.22	103.29	105.37	107.44	109.52	111.59	113.67	115.74	117.82	119.89
15.75	82.57	84.55	86.52	88.50	90.57	92.64	94.72	96.79	98.87	100.94	103.02	105.09	107.17	109.24	111.32	113.39	115.47	117.54	119.62	121.69
7.875	84.37	86.35	88.32	90.30	92.37	94.44	96.52	98.59	100.67	102.74	104.82	106.89	108.97	111.04	113.12	115.19	117.27	119.34	121.42	123.49
3.9375	86.17	88.15	90.12	92.10	94.17	96.24	98.32	100.39	102.47	104.54	106.62	108.69	110.77	112.84	114.92	116.99	119.07	121.14	123.22	125.29
1.96875	87.97	89.95	91.92	93.90	95.97	98.04	100.12	102.19	104.27	106.34	108.42	110.49	112.57	114.64	116.72	118.79	120.87	122.94	125.02	127.09
0.984375	89.77	91.75	93.72	95.70	97.77	99.84	101.92	103.99	106.07	108.14	110.22	112.29	114.37	116.44	118.52	120.59	122.67	124.74	126.82	128.89
0.4921875	91.57	93.55	95.52	97.50	99.57	101.64	103.72	105.79	107.87	109.94	112.02	114.09	116.17	118.24	120.32	122.39	124.47	126.54	128.62	130.69
0.24609375	93.37	95.35	97.32	99.30	101.37	103.44	105.52	107.59	109.67	111.74	113.82	115.89	117.97	119.04	121.12	123.19	125.27	127.34	129.42	131.49
0.123046875	95.17	97.15	99.12	101.10	103.17	105.24	107.32	109.39	111.47	113.54	115.62	117.69	119.77	121.84	123.92	125.99	128.07	130.14	132.22	134.29
0.0615234375	96.97	98.95	100.92	102.90	104.97	107.04	109.12	111.19	113.27	115.34	117.42	119.49	121.57	123.64	125.72	127.79	129.87	131.94	134.02	136.09
0.03076171875	98.77	100.75	102.72	104.70	106.77	108.84	110.92	112.99	115.07	117.14	119.22	121.29	123.37	125.44	127.52	129.59	131.67	133.74	135.82	137.89
0.015380859375	100.57	102.55	104.52	106.50	108.57	110.64	112.72	114.79	116.87	118.94	121.02	123.09	125.17	127.24	129.32	131.39	133.47	135.54	137.62	139.69
0.0076904296875	102.37	104.35	106.32	108.30	110.37	112.44	114.52	116.59	118.67	120.74	122.82	124.89	126.97	129.04	131.12	133.19	135.27	137.34	139.42	141.49
0.00384521484375	104.17	106.15	108.12	110.10	112.17	114.24	116.32	118.39	120.47	122.54	124.62	126.69	128.77	130.84	132.92	134.99	137.07	139.14	141.22	143.29
0.001922607421875	105.97	107.95	109.92	111.90	113.97	116.04	118.12	120.19	122.27	124.34	126.42	128.49	130.57	132.64	134.72	136.79	138.87	140.94	143.02	145.09
0.0009613037109375	107.77	109.75	111.72	113.70	115.77	117.84	119.92	121.99	124.07	126.14	128.22	130.29	132.37	134.44	136.52	138.59	140.67	142.74	144.82	146.89
0.00048065185546875	109.57	111.55	113.52	115.50	117.57	119.64	121.72	123.79	125.87	127.94	129.02	131.09	133.17	135.24	137.32	139.39	141.47	143.54	145.62	147.69
0.000240325927734375	111.37	113.35	115.32	117.30	119.37	121.44	123.52	125.59	127.67	129.74	131.82	133.89	135.97	138.04	140.12	142.19	144.27	146.34	148.42	150.49
0.0001201629638671875	113.17	115.15	117.12	119.10	121.17	123.24	125.32	127.39	129.47	131.54	133.62	135.69	137.77	139.84	141.92	143.99	146.07	148.14	150.22	152.29
0.00006008148193359375	114.97	116.95	118.92	120.90	122.97	125.04	127.12	129.19	131.27	133.34	135.42	137.49	139.57	141.64	143.72	145.79	147.87	149.94	152.02	154.09
0.000030040740966796875	116.77	118.75	120.72	122.70	124.77	126.84	128.92	130.99	133.07	135.14	137.22	139.29	141.37	143.44	145.52	147.59	149.67	151.74	153.82	155.89
0.0000150203704833984375	118.57	120.55	122.52	124.50	126.57	128.64	130.72	132.79	134.87	136.94	139.02	141.09	143.17	145.24	147.32	149.39	151.47	153.54	155.62	157.69
0.0000075101852416971875	120.37	122.35	124.32	126.30	128.37	130.44	132.52	134.59	136.67	138.74	140.82	142.89	144.97	147.04	149.12	151.19	153.27	155.34	157.42	159.49
0.00000375509262084859375	122.17	124.15	126.12	128.10	130.17	132.24	134.32	136.39	138.47	140.54	142.62	144.69	146.77	148.84	150.92	152.99	155.07	157.14	159.22	161.29
0.000001877546310424296875	123.97	125.95	127.92	129.90	131.97	134.04	136.12	138.19	140.27	142.34	144.42	146.49	148.57	150.64	152.72	154.79	156.87	158.94	161.02	163.09
0.000000938773155212121875	125.77	127.75	129.72	131.70	133.77	135.84	137.92	139.99	142.07	144.14	146.22	148.29	150.37	152.44	154.52	156.59	158.67	160.74	162.82	164.89
0.0000004693865776060609375	127.57	129.55	131.52	133.50	135.57	137.64	139.72	141.79	143.87	145.94	148.02	150.09	152.17	154.24	156.32	158.39	160.47	162.54	164.62	166.69
0.00000023469328880303046875	129.37	131.35	133.32	135.30	137.37	139.44	141.52	143.59	145.67	147.74	149.82	151.89	153.97	156.04	158.12	160.19	162.27	164.34	166.42	168.49
0.000000117346644401515234375	131.17	133.15	135.12	137.10	139.17	141.24	143.32	145.39	147.47	149.54	151.62	153.69	155.77	157.84	159.92	161.99	164.07	166.14	168.22	170.29
0.000000058673322200757619375	132.97	134.95	136.92	138.90	140.97	143.04	145.12	147.19	149.27	151.34	153.42	155.49	157.57	159.64	161.72	163.79	165.87	167.94	170.02	172.09
0.000000029336661100378809375	134.77	136.75	138.72	140.70	142.77	144.84	146.92	148.99	151.07	153.14	155.22	157.29	159.37	161.44	163.52	165.59	167.67	169.74	171.82	173.89
0.0000000146683305501894046875	136.57	138.55	140.52	142.50	144.57	146.64	148.72	150.79	152.87	154.94	157.02	159.09	161.17	163.24	165.32	167.39	169.47	171.54	173.62	175.69
0.00000000733416527509470234375	138.37	140.35	142.32	144.30	146.37	148.44	150.52	152.59	154.67	156.74	158.82	160.89	162.97	165.04	167.12	169.19	171.27	173.34	175.42	177.49
0.000000003667082637547351171875	140.17	142.15	144.12	146.10	148.17	150.24	152.32	154.39	156.47	158.54	160.62	162.69	164.77	166.84	168.92	170.99	173.07	175.14	177.22	179.29
0.0000000018335413187736755859375	141.97	143.95	145.92	147.90	149.97	152.04	154.12	156.19	158.27	160.34	162.42	164.49	166.57	168.64	170.72	172.79	174.87	176.94	179.02	181.09
0.00000000091677065938683779296875	143.77	145.75	147.72	149.70	151.77	153.84	155.92	157.99	160.07	162.14	164.22	166.29	168.37	170.44	172.52	174.59	176.67	178.74	180.82	182.89
0.000000000458385329693418896484375	145.57	147.55	149.52	151.50	153.57	155.64	157.72	159.79	161.87	163.94	166.02	168.09	170.17	172.24	174.32	176.39	178.47	180.54	182.62	184.69
0.0000000002291926648467094442421875	147.37	149.35	151.32	153.30	155.37	157.44	159.52	161.59	163.67	165.74	167.82	169.89	171.97	174.04	176.12	178.19	180.27	182.34	184.42	186.49
0.00000000011459633242335472212109375	149.17	151.15	153.12	155.10	157.17	159.24	161.32	163.39	165.47	167.54	169.62	171.69	173.77	175.84	177.92	179.99	182.07	184.14	186.22	188.29
0.000000000057298166211677361105546875	150.97	152.95	154.92	156.90	158.97	161.04	163.12	165.19	167.27	169.34	171.42	173.49	175.57	177.64	179.72	181.79	183.87	185.94	188.02	190.09
0.000000000028649083105838680272734375	152.77	154.75	156.72	158.70	160.77	162.84	164.92	166.99	169.07	171.14	173.22	175.29	177.37	179.44	181.52	183.59	185.67	187.74	189.82	191.89
0.0000000000143245415529193401363671875	154.57	156.55	158.52	160.50	162.57	164.64	166.72	168.79	170.87	172.94	175.02	177.09	179.17	181.24	183.32	185.39	187.47	189.54	191.62	193.69
0.00000000000716227077645967006818359375	156.37	158.35	160.32	162.30	164.37	166.44	168.52	170.59	172.67	174.74	176.82	178.89	180.97	183.04	185.12	187.19	189.27	191.34	193.42	195.49
0.0000000000035811353882298																				

STAGE PRESSURE LEVELS AIRCRAFTIVITY INDEX

DATE 5/9/77

STAGE PRESSURE LEVELS AIRCRAFTIVITY INDEX

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STAGE PRESSURE LEVELS AIRCRAFTIVITY INDEX

AIR TEMP 42.0
WATER TEMP 34.0
PRESSURE 29.17
AIR CUBICITY 2.944

FAA 701/G/COMPRESSOR - PHASE 28 - 50 IQVS 2 KEY CLOSED T/D 2/23/78

SPEC 27340

BLUE 174

50.000

8002

10007

85

DATE: 3/29/77

PARTIAL DISTANCE 152

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SOOL. PRESSURE LEVELS REDUCED AT STANDARD DAY

		ANGLES FROM INLET											
		1	2	3	4	5	6	7	8	9	10		
PREC.		74.78	76.54	79.30	76.46	79.85	79.83	81.04	83.51	87.15	138.8		
52		70.43	77.14	70.56	80.99	80.36	82.52	84.82	88.31	133.2			
63		74.88	75.53	70.40	76.56	80.79	80.96	82.36	84.43	87.39	132.9		
80		74.38	76.56	79.51	77.27	80.74	81.71	83.00	85.15	87.48	133.4		
170		78.22	76.19	79.46	80.82	83.92	84.67	86.73	89.51	91.81	132.3		
185		73.22	74.61	77.76	74.23	78.37	80.17	81.86	82.53	83.22	138.9		
160		71.38	71.54	74.98	71.29	76.77	77.79	78.73	79.74	78.83	138.2		
200		72.97	70.58	73.89	68.94	74.79	75.37	76.38	77.41	77.97	138.3		
252		74.81	72.34	73.23	71.16	70.17	77.28	79.48	81.14	80.49	138.2		
315		76.17	76.17	78.99	74.02	80.66	81.74	83.42	84.59	84.85	138.0		
402		78.32	78.32	80.39	76.32	82.04	83.15	84.32	85.00	84.42	138.0		
522		77.92	77.92	78.79	75.19	78.88	82.29	83.29	83.14	81.75	138.3		
622		77.11	75.18	79.75	74.52	80.82	84.23	85.13	85.97	79.15	133.1		
1022		79.67	79.65	80.47	76.16	81.85	81.69	83.72	84.40	80.92	134.2		
1252		79.64	81.02	82.87	78.11	82.61	82.63	83.84	84.14	80.12	134.2		
1600		81.49	81.23	82.63	78.87	83.06	82.95	83.47	83.86	79.79	134.9		
2022		81.12	80.31	81.17	78.25	83.05	82.84	83.88	84.35	77.76	132.8		
2522		82.77	79.94	81.87	77.99	81.29	81.96	80.51	78.66	79.86	133.3		
3152		78.92	82.15	83.57	79.65	82.86	82.67	81.93	80.81	79.91	133.3		
4002		83.60	80.29	89.29	85.61	89.16	89.38	87.49	84.38	83.87	141.8		
5022		94.92	97.92	95.79	92.87	95.77	93.96	95.80	92.60	98.73	148.9		
6322		85.79	84.83	88.34	83.36	86.47	88.26	85.38	82.29	79.91	148.1		
8022		82.84	87.54	87.42	82.71	87.38	86.30	85.18	83.99	81.89	141.1		
10002		88.06	94.43	88.93	88.00	92.22	91.78	91.63	89.87	84.12	147.2		
E SURED GASPL		97.99	100.6	99.79	96.04	100.3	101.1	100.7	99.27	99.99			
CALCULATED GASPL		97.51	100.7	99.41	96.20	99.63	100.5	100.0	97.95	98.54			
PAGE		112.6	115.1	114.4	111.1	114.7	115.1	114.7	111.4	111.1			

GAPPLI 133.2

AIR TEMP 42.22
 NET-BURN TEMP 36.21
 GAP. PRESSURE 29.17
 AIR HUMIDITY 2.944

FAA FA /COMPRESSOR - PHASE 50 + 50 10VS 9 DEG CLOSED Y/C 2/23/77

FAA 12 30/11/75 SP=7342

RADIAL DISTANCE 50

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S.W. PRESSURE LEVELS DIRECTIVITY INDEX

7.2 12.2 2.2 32.2 6.2 5.2 67.2 74.2 84.2 90.0 100.2 110.2 122.0 130.0 140.2 150.2 160.0 170.0 (PUL)

1.2	-3.95	-2.19	.321	-2.28	1.117	.292	2.302	4.709	8.415
2.2	-3.14	-2.13	.316	-2.91	1.122	.403	2.092	4.948	8.440
3.2	-2.57	-3.02	.309	-2.49	1.050	1.511	3.112	4.988	7.990
4.2	-2.51	-3.33	.304	-2.43	.844	1.814	3.286	5.254	7.579
5.2	-2.59	-7.61	.413	-2.10	1.124	4.501	2.946	5.782	7.202
6.2	-4.16	-2.77	.383	-3.15	1.078	2.733	3.872	5.149	5.134
7.2	-3.44	-2.97	.456	-2.81	2.255	3.280	4.211	5.224	4.389
8.2	-2.61	-2.82	.511	-3.44	2.134	2.791	3.800	4.832	5.389
9.2	-1.34	-3.11	.213	-4.29	2.239	1.034	3.959	6.695	5.041
10.2	-1.22	-2.13	.403	-4.46	1.574	3.654	4.341	5.583	4.974
11.2	-2.61	-1.09	.3947	-3.67	2.867	3.155	4.328	5.809	4.483
12.2	-3.68	-1.636	.3413	-3.27	1.928	3.839	4.834	5.084	5.209
13.2	-1.29	-2.03	1.338	-3.61	2.395	6.119	3.433	2.565	7.373
14.2	-1.45	.9327	1.555	-2.76	2.133	2.772	4.309	3.541	2.008
15.2	-1.96	1.051	3.134	-1.02	2.879	2.695	3.089	1.288	2.301
16.2	1.219	1.899	2.089	-1.89	3.889	2.973	3.496	1.884	5.108
17.2	1.957	1.151	2.082	-4.58	3.883	2.879	2.817	1.915	-1.11
18.2	2.254	1.427	3.155	-5.17	2.772	3.448	1.995	1.489	-2.45
19.2	-2.38	.8732	4.292	-1.63	3.781	4.317	4.683	1.471	-1.76
20.2	-2.12	2.574	3.574	-1.14	3.438	3.854	1.788	-1.37	-2.66
21.2	1.477	4.472	2.345	-5.76	2.322	2.988	2.488	-2.79	-2.72
22.2	1.741	1.799	4.204	-6.96	2.425	4.213	1.329	-1.76	-4.15
23.2	-1.24	3.483	3.316	-1.39	3.254	4.198	1.853	-2.11	-3.81
24.2	-1.27	5.544	.8431	-1.882	3.333	2.858	2.752	-4.82	-4.76

E87

DATE 12-27
TIME 14:02
PRESSURE 29.17
HUMIDITY 2.984

FAVORABLE PRESSOR - PHASE 58 - 50 IONS 9 - 50 - USED T/P 2/23/72

FAVORABLE PRESSOR - PHASE 58 - 50 IONS 9 - 50 - USED T/P 2/23/72

40-3, -17

SCIENCE PRESS REVEALS REVEALS AT STANDARD JAV

A'GLES FROM LEFT

[illegible]

UAPWL 199.1

TEMP.	42.62
TEMP.	34.22
PRESSURE	29.17
WIND VELOCITY	3.984

EA: PA /C/ PRESSE - 2-ASE 58 - 5C 14V5 9 DEG CL-SEN 7/P 2/23/72

Q43=174
SPF=97760

RADIAL DISTANCE 159

PAGE 1

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

12.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0 100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0 190.0 200.0

ANGLE FROM INLET	12.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
1	-3.99	-2.19	-2.13	-2.33	1.194	2.94	2.286	4.811	8.481										
2	-3.44	-2.173	-2.13	-2.173	1.181	2.94	2.286	4.811	8.481										
3	-4.52	-3.58	-3.58	-3.58	1.382	3.182	3.182	4.976	7.944										
4	-5.43	-3.29	-3.29	-3.29	1.833	3.785	3.785	5.278	7.984										
5	-5.54	-2.61	-2.61	-2.61	1.147	4.887	5.946	7.125	7.284										
6	-4.15	-2.78	-2.78	-2.78	1.194	2.94	2.286	4.811	8.481										
7	-3.45	-2.98	-2.98	-2.98	1.382	3.182	3.182	4.976	7.944										
8	-1.57	-1.92	-1.92	-1.92	1.833	3.785	3.785	5.278	7.984										
9	-1.781	-3.12	-3.12	-3.12	1.147	4.887	5.946	7.125	7.284										
10	-2.55	-2.68	-2.68	-2.68	1.181	2.94	2.286	4.811	8.481										
11	-2.52	-1.65	-1.65	-1.65	1.382	3.182	3.182	4.976	7.944										
12	-3.67	-1.025	-1.025	-1.025	1.833	3.785	3.785	5.278	7.984										
13	-1.28	-2.53	-2.53	-2.53	1.147	4.887	5.946	7.125	7.284										
14	-2.58	1.844	1.844	1.844	1.194	2.94	2.286	4.811	8.481										
15	-1.03	1.745	1.745	1.745	1.382	3.182	3.182	4.976	7.944										
16	1.885	1.885	1.885	1.885	1.833	3.785	3.785	5.278	7.984										
17	1.992	1.345	1.345	1.345	1.147	4.887	5.946	7.125	7.284										
18	2.232	1.499	1.499	1.499	1.181	2.94	2.286	4.811	8.481										
19	2.33	9.888	9.888	9.888	1.382	3.182	3.182	4.976	7.944										
20	-2.11	2.612	2.612	2.612	1.833	3.785	3.785	5.278	7.984										
21	1.499	4.916	4.916	4.916	1.147	4.887	5.946	7.125	7.284										
22	1.787	9.462	9.462	9.462	1.181	2.94	2.286	4.811	8.481										
23	-1.34	3.472	3.472	3.472	1.382	3.182	3.182	4.976	7.944										
24	-1.975	5.286	5.286	5.286	1.833	3.785	3.785	5.278	7.984										

E89

FILE T000 42.07
 FILE T000 34.47
 FILE T000 2.17
 FILE T000 2.004

FAI TAY/COMPRESSOR - PHASE 5B - 5C JOYS 9 DEG CLOSED T/D 2/23/78

RMS 2 94.877 SPEED 7700

0

RADIAL DISTANCE 150

PAGE 1

272577

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

	7.3	17.7	27.0	37.0	47.0	57.0	67.0	77.0	87.0	92.2	102.8	112.8	122.8	132.3	142.4	152.8	162.8	172.8	182.8	192.8
74.44	77.42	79.78	74.58	80.18	88.04	82.04	82.04	82.04	82.04	82.04	82.04	82.04	82.04	82.04	82.04	82.04	82.04	82.04	82.04	82.04
75.84	78.84	79.35	75.75	81.65	82.41	82.41	82.41	82.41	82.41	82.41	82.41	82.41	82.41	82.41	82.41	82.41	82.41	82.41	82.41	82.41
75.66	78.36	79.99	75.84	81.93	82.78	82.78	82.78	82.78	82.78	82.78	82.78	82.78	82.78	82.78	82.78	82.78	82.78	82.78	82.78	82.78
75.37	78.84	80.52	76.94	82.61	83.79	83.79	83.79	83.79	83.79	83.79	83.79	83.79	83.79	83.79	83.79	83.79	83.79	83.79	83.79	83.79
72.87	76.89	82.25	81.03	88.17	86.21	86.21	86.21	86.21	86.21	86.21	86.21	86.21	86.21	86.21	86.21	86.21	86.21	86.21	86.21	86.21
73.27	76.97	79.83	75.16	82.84	83.74	83.74	83.74	83.74	83.74	83.74	83.74	83.74	83.74	83.74	83.74	83.74	83.74	83.74	83.74	83.74
73.24	73.48	75.76	72.64	78.84	79.41	79.41	79.41	79.41	79.41	79.41	79.41	79.41	79.41	79.41	79.41	79.41	79.41	79.41	79.41	79.41
75.34	79.19	73.39	72.76	78.34	77.79	77.79	77.79	77.79	77.79	77.79	77.79	77.79	77.79	77.79	77.79	77.79	77.79	77.79	77.79	77.79
76.89	75.39	77.83	73.77	79.36	80.89	82.00	84.71	83.49												
79.79	79.65	81.97	79.19	83.94	83.66	83.66	83.66	83.66	83.66	83.66	83.66	83.66	83.66	83.66	83.66	83.66	83.66	83.66	83.66	83.66
84.98	84.98	85.04	81.99	85.23	86.82	87.23	86.83	86.93												
81.23	81.23	82.82	78.16	82.74	83.81	83.72	83.72	83.72	83.72	83.72	83.72	83.72	83.72	83.72	83.72	83.72	83.72	83.72	83.72	83.72
78.79	78.79	78.76	75.38	83.71	82.46	83.12	83.12	83.12	83.12	83.12	83.12	83.12	83.12	83.12	83.12	83.12	83.12	83.12	83.12	83.12
83.27	83.27	83.17	80.82	84.39	84.29	83.34	84.36	84.18												
80.82	80.82	80.85	81.41	85.83	84.05	85.04	83.67	82.86												
89.31	89.31	87.87	82.31	87.39	85.48	86.19	84.23	83.19												
86.54	86.54	84.93	80.18	89.41	83.14	83.49	81.79	79.91												
82.54	82.54	82.93	78.48	82.82	82.72	81.32	77.98	77.22												
89.16	89.16	86.77	78.96	85.18	85.06	82.46	79.79	80.76												
87.97	87.97	84.17	84.92	85.88	87.39	86.11	82.33	82.98												
96.73	96.73	94.42	93.19	90.48	90.74	97.10	90.83	92.49												
87.61	87.61	86.89	83.72	87.21	88.44	86.76	81.42	81.18												
83.44	83.44	87.08	83.17	86.99	90.51	89.99	82.83	82.86												
88.76	88.76	98.55	87.96	98.98	91.29	89.59	83.73	84.19												
102.12	102.12	100.9	98.87	100.4	102.3	102.3	100.4	102.8												
99.62	99.62	100.9	97.02	101.7	102.0	101.9	99.28	100.8												
114.7	114.7	119.5	112.9	110.8	117.1	118.3	110.1	118.8												

08PHL1

186.3

A - IEV TSP, 42.00
 B - BUL TSP, 34.00
 C - PRESSURE, 20.17
 D - ACTIVITY, 2.984

AA - A / B - PRESSOR - PHASE 98 - 90 INLS 9 JEQ CLOSED T/D 2/23/72

203-177

SPEC-7902

E90

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM INLET

[illegible][illegible]

E91

TABLE	6-10	42,000
TABLE	6-11	34,000
TABLE	6-12	29,170
TABLE	6-13	2,904

FAV/CO-CESS-2 - PHASE 5B + 5C IGVS 2 DBB CLOSED 7/D 2/23/70

3-12 203177 SPB=J07040

DATE: 3/19/77

PAGE: 1

RADIAL DISTANCE 150

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLE FROM INLET	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0
ANGLE FROM INLET	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0
5	76.16	78.16	80.16	82.16	84.16	86.16	88.16	90.16	92.16	94.16	96.16	98.16
10	76.64	78.64	80.64	82.64	84.64	86.64	88.64	90.64	92.64	94.64	96.64	98.64
15	77.12	79.12	81.12	83.12	85.12	87.12	89.12	91.12	93.12	95.12	97.12	99.12
20	77.60	79.60	81.60	83.60	85.60	87.60	89.60	91.60	93.60	95.60	97.60	99.60
25	78.08	80.08	82.08	84.08	86.08	88.08	90.08	92.08	94.08	96.08	98.08	100.08
30	78.56	80.56	82.56	84.56	86.56	88.56	90.56	92.56	94.56	96.56	98.56	100.56
35	79.04	81.04	83.04	85.04	87.04	89.04	91.04	93.04	95.04	97.04	99.04	101.04
40	79.52	81.52	83.52	85.52	87.52	89.52	91.52	93.52	95.52	97.52	99.52	101.52
45	80.00	82.00	84.00	86.00	88.00	90.00	92.00	94.00	96.00	98.00	100.00	102.00
50	80.48	82.48	84.48	86.48	88.48	90.48	92.48	94.48	96.48	98.48	100.48	102.48
55	80.96	82.96	84.96	86.96	88.96	90.96	92.96	94.96	96.96	98.96	100.96	102.96
60	81.44	83.44	85.44	87.44	89.44	91.44	93.44	95.44	97.44	99.44	101.44	103.44
65	81.92	83.92	85.92	87.92	89.92	91.92	93.92	95.92	97.92	99.92	101.92	103.92
70	82.40	84.40	86.40	88.40	90.40	92.40	94.40	96.40	98.40	100.40	102.40	104.40
75	82.88	84.88	86.88	88.88	90.88	92.88	94.88	96.88	98.88	100.88	102.88	104.88
80	83.36	85.36	87.36	89.36	91.36	93.36	95.36	97.36	99.36	101.36	103.36	105.36
85	83.84	85.84	87.84	89.84	91.84	93.84	95.84	97.84	99.84	101.84	103.84	105.84
90	84.32	86.32	88.32	90.32	92.32	94.32	96.32	98.32	100.32	102.32	104.32	106.32
95	84.80	86.80	88.80	90.80	92.80	94.80	96.80	98.80	100.80	102.80	104.80	106.80
100	85.28	87.28	89.28	91.28	93.28	95.28	97.28	99.28	101.28	103.28	105.28	107.28
105	85.76	87.76	89.76	91.76	93.76	95.76	97.76	99.76	101.76	103.76	105.76	107.76
110	86.24	88.24	90.24	92.24	94.24	96.24	98.24	100.24	102.24	104.24	106.24	108.24
115	86.72	88.72	90.72	92.72	94.72	96.72	98.72	100.72	102.72	104.72	106.72	108.72
120	87.20	89.20	91.20	93.20	95.20	97.20	99.20	101.20	103.20	105.20	107.20	109.20
125	87.68	89.68	91.68	93.68	95.68	97.68	99.68	101.68	103.68	105.68	107.68	109.68
130	88.16	90.16	92.16	94.16	96.16	98.16	100.16	102.16	104.16	106.16	108.16	110.16
135	88.64	90.64	92.64	94.64	96.64	98.64	100.64	102.64	104.64	106.64	108.64	110.64
140	89.12	91.12	93.12	95.12	97.12	99.12	101.12	103.12	105.12	107.12	109.12	111.12
145	89.60	91.60	93.60	95.60	97.60	99.60	101.60	103.60	105.60	107.60	109.60	111.60
150	90.08	92.08	94.08	96.08	98.08	100.08	102.08	104.08	106.08	108.08	110.08	112.08
155	90.56	92.56	94.56	96.56	98.56	100.56	102.56	104.56	106.56	108.56	110.56	112.56
160	91.04	93.04	95.04	97.04	99.04	101.04	103.04	105.04	107.04	109.04	111.04	113.04
165	91.52	93.52	95.52	97.52	99.52	101.52	103.52	105.52	107.52	109.52	111.52	113.52
170	92.00	94.00	96.00	98.00	100.00	102.00	104.00	106.00	108.00	110.00	112.00	114.00
175	92.48	94.48	96.48	98.48	100.48	102.48	104.48	106.48	108.48	110.48	112.48	114.48
180	92.96	94.96	96.96	98.96	100.96	102.96	104.96	106.96	108.96	110.96	112.96	114.96
185	93.44	95.44	97.44	99.44	101.44	103.44	105.44	107.44	109.44	111.44	113.44	115.44
190	93.92	95.92	97.92	99.92	101.92	103.92	105.92	107.92	109.92	111.92	113.92	115.92
195	94.40	96.40	98.40	100.40	102.40	104.40	106.40	108.40	110.40	112.40	114.40	116.40
200	94.88	96.88	98.88	100.88	102.88	104.88	106.88	108.88	110.88	112.88	114.88	116.88
205	95.36	97.36	99.36	101.36	103.36	105.36	107.36	109.36	111.36	113.36	115.36	117.36
210	95.84	97.84	99.84	101.84	103.84	105.84	107.84	109.84	111.84	113.84	115.84	117.84
215	96.32	98.32	100.32	102.32	104.32	106.32	108.32	110.32	112.32	114.32	116.32	118.32
220	96.80	98.80	100.80	102.80	104.80	106.80	108.80	110.80	112.80	114.80	116.80	118.80
225	97.28	99.28	101.28	103.28	105.28	107.28	109.28	111.28	113.28	115.28	117.28	119.28
230	97.76	99.76	101.76	103.76	105.76	107.76	109.76	111.76	113.76	115.76	117.76	119.76
235	98.24	100.24	102.24	104.24	106.24	108.24	110.24	112.24	114.24	116.24	118.24	120.24
240	98.72	100.72	102.72	104.72	106.72	108.72	110.72	112.72	114.72	116.72	118.72	120.72
245	99.20	101.20	103.20	105.20	107.20	109.20	111.20	113.20	115.20	117.20	119.20	121.20
250	99.68	101.68	103.68	105.68	107.68	109.68	111.68	113.68	115.68	117.68	119.68	121.68
255	100.16	102.16	104.16	106.16	108.16	110.16	112.16	114.16	116.16	118.16	120.16	122.16
260	100.64	102.64	104.64	106.64	108.64	110.64	112.64	114.64	116.64	118.64	120.64	122.64
265	101.12	103.12	105.12	107.12	109.12	111.12	113.12	115.12	117.12	119.12	121.12	123.12
270	101.60	103.60	105.60	107.60	109.60	111.60	113.60	115.60	117.60	119.60	121.60	123.60
275	102.08	104.08	106.08	108.08	110.08	112.08	114.08	116.08	118.08	120.08	122.08	124.08
280	102.56	104.56	106.56	108.56	110.56	112.56	114.56	116.56	118.56	120.56	122.56	124.56
285	103.04	105.04	107.04	109.04	111.04	113.04	115.04	117.04	119.04	121.04	123.04	125.04
290	103.52	105.52	107.52	109.52	111.52	113.52	115.52	117.52	119.52	121.52	123.52	125.52
295	104.00	106.00	108.00	110.00	112.00	114.00	116.00	118.00	120.00	122.00	124.00	126.00
300	104.48	106.48	108.48	110.48	112.48	114.48	116.48	118.48	120.48	122.48	124.48	126.48
305	104.96	106.96	108.96	110.96	112.96	114.96	116.96	118.96	120.96	122.96	124.96	126.96
310	105.44	107.44	109.44	111.44	113.44	115.44	117.44	119.44	121.44	123.44	125.44	127.44
315	105.92	107.92	109.92	111.92	113.92	115.92	117.92	119.92	121.92	123.92	125.92	127.92
320	106.40	108.40	110.40	112.40	114.40	116.40	118.40	120.40	122.40	124.40	126.40	128.40
325	106.88	108.88	110.88	112.88	114.88	116.88	118.88	120.88	122.88	124.88	126.88	128.88
330	107.36	109.36	111.36	113.36	115.36	117.36	119.36	121.36	123.36	125.36	127.36	129.36
335	107.84	109.84	111.84	113.84	115.84	117.84	119.84	121.84	123.84	125.84	127.84	129.84
340	108.32	110.32	112.32	114.32	116.32	118.32	120.32	122.32	124.32	126.32	128.32	130.32
345	108.80	110.80	112.80	114.80	116.80	118.80	120.80	122.80	124.80	126.80	128.80	130.80
350	109.28	111.28	113.28	115.28	117.28	119.28	121.28	123.28	125.28	127.28	129.28	131.28
355	109.76	111.76	113.76	115.76	117.76	119.76	121.76	123.76	125.76	127.76	129.76	131.76
360	110.24	112.24	114.24	116.24	118.24	120.24	122.24	124.24	126.24	128.24	130.24	132.24
365	110.72	112.72	114.72	116.72	118.72	120.72	122.72	124.72	126.72	128.72	130.72	132.72
370	111.20	113.20	115.20	117.20	119.20	121.20	123.20	125.20	127.20	129.20	131.20	133.20
375	111.68	113.68	115.68	117.68	119.68	121.68	123.68	125.68	127.68	129.68	131.68	133.68
380	112.16	114.16	116.16	118.16	120.16	122.16	124.16	126.16	128.16	130.16	132.16	134.16
385	112.64	114.64	116.64	118.64	120.64	122.64	124.64	126.64	128.64	130.64	132.64	134.64
390	113.12	115.12	117.12	119.12	121.12	123.12	125.12	127.12	129.12	131.12	133.12	135.12
395	113.60	115.60	117.60	119.60	121.60	123.60	125.60	127.60	129.60	131.60	133.60	135.60
400	114.08	116.08	118.08	120.08	122.08	124.08	126.08	128.08	130.08	132.08	134.08	136.08
405	114.56	116.56	118.56	120.56	122.56	124.56	126.56	128.56	130.56	132.56	134.56	136.56
410	115.04	117.04	119.04	121.04	123.04	125.04	127.04	129.04	131.04	133.04	135.04	137.04
415	115.52	117.52	119.52	121.52	123.52	125.52	127.52	129.52	131.52	133.52	135.52	137.52
420	116.00	118.00	120.00	122.00	124.00	126.00	128.00	130.00	132.00	134.00	136.00	1

RADIAL DISTANCE 120

PAGE 1 2

20" PRESSURE LEVELS, DIRECTIONAL INDEX

ANGLE FROM LINE	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0
5	-5.02	-3.03	-7.00	-5.94	-1.35	3.36	2.59	5.54	9.22
10	-5.51	-3.03	-7.00	-6.12	-2.15	7.30	2.40	5.15	9.31
15	-5.45	-2.82	-6.83	-6.12	-3.44	1.84	3.10	5.36	8.87
20	-6.85	-3.32	-1.98	-6.10	-3.12	1.34	3.81	5.67	8.43
25	-9.94	-4.45	-1.99	-4.33	4.95	5.07	4.50	2.73	3.40
30	-8.24	-3.86	-1.48	-4.74	1.77	4.25	4.48	4.17	4.84
35	-3.12	-2.99	-3.97	-3.97	1.84	3.14	4.18	4.85	4.82
40	-2.45	-3.21	-3.41	-3.99	1.74	2.79	2.37	3.62	2.82
45	-3.49	-3.49	-3.49	-3.95	1.31	2.30	4.51	4.70	5.28
50	-4.81	-4.26	-3.22	-5.02	1.95	3.27	4.91	5.30	5.17
55	-4.56	-2.49	2.49	-3.42	2.48	3.29	3.99	4.82	4.53
60	-3.16	-2.71	3.42	-3.46	2.48	2.87	4.17	4.84	4.82
65	1.15	3.47	3.18	-2.22	1.99	1.81	2.33	3.41	3.14
70	1.15	1.61	1.84	-4.27	2.49	2.44	3.94	3.86	2.82
75	3.43	6.51	4.86	-5.02	-0.88	-5.19	-2.49	-1.98	-3.11
80	1.95	1.76	4.78	-1.73	1.81	1.71	1.48	5.87	5.43
85	2.18	4.33	3.43	-1.37	2.39	1.76	1.21	-1.25	-1.93
90	1.45	3.32	3.69	-1.70	3.01	3.67	1.97	-1.43	-2.12
95	-2.95	3.59	5.84	-3.35	2.44	3.47	-2.44	-1.84	-1.73
100	-2.12	4.41	4.81	-2.58	2.39	3.23	1.48	5.73	5.15
105	1.99	4.31	1.12	-2.18	4.80	3.49	4.14	-1.05	-1.42
110	2.85	2.86	2.38	-1.73	2.39	3.77	2.81	-5.27	-3.97
115	-2.19	4.56	3.46	-1.89	2.79	4.34	-1.81	-3.76	-3.96
120	-1.70	5.19	3.71	-2.30	1.77	3.29	1.20	-0.54	-0.45

893

AVG T EMP 42.00
 T EMP 34.00
 T EMP 29.17
 T EMP 2.924

FAA FA/20 PRESSURE - PHASE 58 - VC 100'S 9 JEV CLOSED 7/12/23/70

FAA 17A 20017A

10-11 3/2/77

RADIAL DISTANCE 190

PAUSE 1

SOIL PRESSURE LEVELS REDUCED AT STANDARD DAY

	10.2	2	32	47.5	5	70.0	87.5	92.2	100.0	112.5	130.0	145.0	152.5	162.0	170.0	180.0	190.0
5	74.24					70.32	75.17	81.32	87.88	94.90	102.43	110.48	118.99	126.94	134.33	141.16	147.43
10	75.43					77.29	82.04	87.81	94.59	101.37	108.15	114.93	121.71	128.49	135.27	142.05	148.83
15	75.64					77.85	82.60	88.37	95.15	101.93	108.71	115.49	122.27	129.05	135.83	142.61	149.39
20	75.64					78.39	83.14	88.91	95.69	102.47	109.25	116.03	122.81	129.59	136.37	143.15	149.93
25	75.93					82.46	87.21	92.98	99.76	106.54	113.32	120.10	126.88	133.66	140.44	147.22	154.00
30	76.86					87.46	92.21	97.98	104.76	111.54	118.32	125.10	131.88	138.66	145.44	152.22	159.00
35	77.11					88.22	92.97	98.74	105.52	112.30	119.08	125.86	132.64	139.42	146.20	152.98	159.76
40	78.05					89.81	94.56	100.33	107.11	113.89	120.67	127.45	134.23	141.01	147.79	154.57	161.35
45	81.49					93.33	98.08	103.85	110.63	117.41	124.19	130.97	137.75	144.53	151.31	158.09	164.87
50	82.77					94.77	99.52	105.29	112.07	118.85	125.63	132.41	139.19	145.97	152.75	159.53	166.31
55	82.68					94.97	99.72	105.49	112.27	119.05	125.83	132.61	139.39	146.17	152.95	159.73	166.51
60	82.64					94.93	99.68	105.45	112.23	119.01	125.79	132.57	139.35	146.13	152.91	159.69	166.47
65	82.62					94.91	99.66	105.43	112.21	118.99	125.77	132.55	139.33	146.11	152.89	159.67	166.45
70	82.62					94.91	99.66	105.43	112.21	118.99	125.77	132.55	139.33	146.11	152.89	159.67	166.45
75	82.62					94.91	99.66	105.43	112.21	118.99	125.77	132.55	139.33	146.11	152.89	159.67	166.45
80	82.62					94.91	99.66	105.43	112.21	118.99	125.77	132.55	139.33	146.11	152.89	159.67	166.45
85	82.62					94.91	99.66	105.43	112.21	118.99	125.77	132.55	139.33	146.11	152.89	159.67	166.45
90	82.62					94.91	99.66	105.43	112.21	118.99	125.77	132.55	139.33	146.11	152.89	159.67	166.45
95	82.62					94.91	99.66	105.43	112.21	118.99	125.77	132.55	139.33	146.11	152.89	159.67	166.45
100	82.62					94.91	99.66	105.43	112.21	118.99	125.77	132.55	139.33	146.11	152.89	159.67	166.45
105	82.62					94.91	99.66	105.43	112.21	118.99	125.77	132.55	139.33	146.11	152.89	159.67	166.45
110	82.62					94.91	99.66	105.43	112.21	118.99	125.77	132.55	139.33	146.11	152.89	159.67	166.45
115	82.62					94.91	99.66	105.43	112.21	118.99	125.77	132.55	139.33	146.11	152.89	159.67	166.45
120	82.62					94.91	99.66	105.43	112.21	118.99	125.77	132.55	139.33	146.11	152.89	159.67	166.45
125	82.62					94.91	99.66	105.43	112.21	118.99	125.77	132.55	139.33	146.11	152.89	159.67	166.45
130	82.62					94.91	99.66	105.43	112.21	118.99	125.77	132.55	139.33	146.11	152.89	159.67	166.45
135	82.62					94.91	99.66	105.43	112.21	118.99	125.77	132.55	139.33	146.11	152.89	159.67	166.45
140	82.62					94.91	99.66	105.43	112.21	118.99	125.77	132.55	139.33	146.11	152.89	159.67	166.45
145	82.62					94.91	99.66	105.43	112.21	118.99	125.77	132.55	139.33	146.11	152.89	159.67	166.45
150	82.62					94.91	99.66	105.43	112.21	118.99	125.77	132.55	139.33	146.11	152.89	159.67	166.45
155	82.62					94.91	99.66	105.43	112.21	118.99	125.77	132.55	139.33	146.11	152.89	159.67	166.45
160	82.62					94.91	99.66	105.43	112.21	118.99	125.77	132.55	139.33	146.11	152.89	159.67	166.45
165	82.62					94.91	99.66	105.43	112.21	118.99	125.77	132.55	139.33	146.11	152.89	159.67	166.45
170	82.62					94.91	99.66	105.43	112.21	118.99	125.77	132.55	139.33	146.11	152.89	159.67	166.45
175	82.62					94.91	99.66	105.43	112.21	118.99	125.77	132.55	139.33	146.11	152.89	159.67	166.45
180	82.62					94.91	99.66	105.43	112.21	118.99	125.77	132.55	139.33	146.11	152.89	159.67	166.45
185	82.62					94.91	99.66	105.43	112.21	118.99	125.77	132.55	139.33	146.11	152.89	159.67	166.45
190	82.62					94.91	99.66	105.43	112.21	118.99	125.77	132.55	139.33	146.11	152.89	159.67	166.45

0APHL1 199.2

10-11 3/2/77
41.32
35.22
29.17
24.21

FAA FAVCOMPRESSOR - PHASE 2B - 50 LVS 9 JEG CLOSED T/D 2/23/77

5-112 SPRESHED34

3/14/77

RACIAL DISTANCE 150

PAGE 2

32" W. PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM LINE 1

50	-7.42	-5.09	-3.18	-6.83	-1.681	1.784	2.562	5.037	9.888
60	-7.42	-5.09	-2.54	-6.93	-1.936	1.840	2.461	5.044	9.906
70	-7.42	-5.09	-2.03	-7.05	-2.137	1.839	3.164	5.035	9.937
80	-7.42	-5.09	-1.94	-7.06	-2.234	1.474	3.174	5.781	8.834
90	-7.42	-5.09	-2.29	-6.72	-2.236	5.785	3.318	2.883	4.431
100	-7.42	-5.09	-3.78	-6.18	-2.136	5.688	3.488	3.339	3.487
110	-7.42	-5.09	-5.08	-3.63	-1.665	3.379	4.363	5.957	4.247
120	-7.42	-5.09	-5.26	-3.757	1.912	3.612	5.256	5.325	
130	-7.42	-5.09	-5.41	-1.439	2.886	4.422	6.911	5.258	
140	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
150	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
160	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
170	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
180	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
190	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
200	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
210	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
220	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
230	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
240	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
250	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
260	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
270	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
280	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
290	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
300	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
310	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
320	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
330	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
340	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
350	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
360	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	

E95

3/14/77 44.62
32.72
29.17
2.121

32" W. PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM LINE 1

50	-7.42	-5.09	-3.18	-6.83	-1.681	1.784	2.562	5.037	9.888
60	-7.42	-5.09	-2.54	-6.93	-1.936	1.840	2.461	5.044	9.906
70	-7.42	-5.09	-2.03	-7.05	-2.137	1.839	3.164	5.035	9.937
80	-7.42	-5.09	-1.94	-7.06	-2.234	1.474	3.174	5.781	8.834
90	-7.42	-5.09	-2.29	-6.72	-2.236	5.785	3.318	2.883	4.431
100	-7.42	-5.09	-3.78	-6.18	-2.136	5.688	3.488	3.339	3.487
110	-7.42	-5.09	-5.08	-3.63	-1.665	3.379	4.363	5.957	4.247
120	-7.42	-5.09	-5.26	-3.757	1.912	3.612	5.256	5.325	
130	-7.42	-5.09	-5.41	-1.439	2.886	4.422	6.911	5.258	
140	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
150	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
160	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
170	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
180	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
190	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
200	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
210	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
220	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
230	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
240	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
250	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
260	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
270	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
280	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
290	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
300	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
310	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
320	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
330	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
340	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
350	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	
360	-7.42	-5.09	-5.47	-1.111	3.288	5.528	5.911	4.879	

RADIAL DISTANCE 130

PAGE 1

DATE: 2/25/77

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	1.0	1.5	2.0	30.2	41.0	52.7	67.2	77.2	87.2	98.2	100.0	110.0	120.2	130.0	140.0	150.0	160.0	170.0	(PUL)
1	79.85	77.54	76.01	81.97	82.24	84.79	88.87	92.86	100.0	110.0	120.2	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
2	76.72	74.13	72.48	82.94	83.88	85.74	89.87	93.78	100.0	110.0	120.2	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
3	76.75	74.25	72.37	83.78	84.67	86.67	90.72	94.63	100.0	110.0	120.2	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
4	76.38	74.25	72.37	83.78	84.67	86.67	90.72	94.63	100.0	110.0	120.2	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
5	80.24	82.89	81.39	87.98	88.89	90.65	94.72	98.47	100.0	110.0	120.2	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
6	81.67	84.57	82.81	89.78	90.72	92.47	96.53	100.0	110.0	120.2	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0	210.0
7	74.22	74.14	72.34	76.81	77.88	79.28	83.43	87.41	100.0	110.0	120.2	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
8	74.44	74.40	72.27	77.05	78.25	79.13	83.41	87.41	100.0	110.0	120.2	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
9	79.24	77.96	72.64	82.35	84.18	86.26	90.29	94.01	100.0	110.0	120.2	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
10	81.93	80.12	79.75	87.43	88.11	89.33	93.38	97.28	100.0	110.0	120.2	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
11	81.74	83.51	80.95	87.24	88.55	89.45	93.77	97.87	100.0	110.0	120.2	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
12	82.57	82.69	80.49	83.68	85.09	85.73	89.87	93.84	100.0	110.0	120.2	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
13	83.79	85.89	79.89	83.68	85.11	85.77	89.87	93.84	100.0	110.0	120.2	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
14	83.24	85.21	81.58	86.88	88.73	89.82	93.84	97.87	100.0	110.0	120.2	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
15	87.11	87.94	82.81	86.88	88.73	89.82	93.84	97.87	100.0	110.0	120.2	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
16	88.74	89.89	83.49	87.44	88.73	89.82	93.84	97.87	100.0	110.0	120.2	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
17	87.74	89.89	83.49	87.44	88.73	89.82	93.84	97.87	100.0	110.0	120.2	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
18	89.57	85.59	88.23	84.79	85.17	86.88	91.48	95.44	100.0	110.0	120.2	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
19	82.67	86.32	80.18	86.71	87.57	88.34	92.46	96.41	100.0	110.0	120.2	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
20	84.59	89.15	85.82	88.98	89.54	90.38	94.41	98.41	100.0	110.0	120.2	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
21	95.44	95.29	93.22	100.11	94.39	95.34	99.34	103.34	107.34	111.34	115.34	119.34	123.34	127.34	131.34	135.34	139.34	143.34	147.34
22	92.94	89.56	86.69	93.33	98.82	98.19	103.82	108.82	113.82	118.82	123.82	128.82	133.82	138.82	143.82	148.82	153.82	158.82	163.82
23	85.28	92.89	85.18	89.15	89.54	90.47	94.47	98.47	103.47	108.47	113.47	118.47	123.47	128.47	133.47	138.47	143.47	148.47	153.47
24	85.52	92.92	86.74	91.74	91.89	92.84	96.84	100.84	104.84	108.84	112.84	116.84	120.84	124.84	128.84	132.84	136.84	140.84	144.84
25	122.4	124.4	126.4	128.4	130.4	132.4	134.4	136.4	138.4	140.4	142.4	144.4	146.4	148.4	150.4	152.4	154.4	156.4	158.4
26	99.84	121.3	97.54	103.6	108.2	108.1	113.1	118.1	123.1	128.1	133.1	138.1	143.1	148.1	153.1	158.1	163.1	168.1	173.1
27	114.1	115.6	112.5	118.7	115.9	115.6	121.1	126.1	131.1	136.1	141.1	146.1	151.1	156.1	161.1	166.1	171.1	176.1	181.1

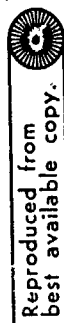
04PHL1 194.3

1.0 1.5 2.0 30.2 41.0 52.7 67.2 77.2 87.2 98.2 100.0 110.0 120.2 130.0 140.0 150.0 160.0 170.0 180.0 190.0 200.0

DATE: 2/25/77

PHASE 58 + 50 13VS 9 DEO CLOSED T/D 2/23/70

DATE: 2/25/77



RADIAL DISTANCE 150

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLE FROM INLET	10	12	2	3	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180
PRE																				
5	-6.71	-5.02	-6.55	-5.89	-3.19	2.235	3.513	10.48												
63	-6.75	-8.34	-6.99	-5.934	1.764	2.269	3.594	10.31												
9	-6.71	-8.18	-6.66	-5.498	1.436	3.243	3.886	9.375												
11	-7.43	-4.56	-5.64	-5.843	1.325	3.782	6.114	8.956												
125	-5.37	-2.72	-4.22	-3.339	4.488	4.846	3.159	6.882												
167	-4.89	-1.99	-3.76	-3.227	5.711	4.188	4.793	6.916												
227	-2.94	-2.52	-3.42	-2.846	3.122	4.522	6.871	4.447												
25	-1.42	-1.46	-3.59	-1.193	2.394	4.267	5.553	7.169												
315	-2.129	-3.57	-3.88	-3.258	2.833	4.731	6.762	4.881												
400	-3.36	-4.82	-5.19	-3.699	3.888	5.297	5.379	5.347												
522	-3.43	-4.82	-4.28	-2.884	3.387	5.499	5.613	4.316												
632	-1.129	-1.842	-2.28	-2.984	3.198	4.644	4.987	3.747												
977	3.237	3.329	3.46	3.193	3.354	2.314	3.781	1.163												
1227	-1.383	1.979	-2.11	3.175	3.898	5.197	3.746	2.618												
1280	2.837	3.667	-3.66	2.623	3.518	3.894	3.194	1.886												
1582	3.783	4.651	-1.59	2.397	2.321	3.371	3.886	1.868												
2582	3.498	3.848	-1.37	3.686	1.911	2.313	-4.16	-1.49												
2900	3.923	3.950	-1.39	3.149	3.253	3.214	-1.62	-2.21												
3137	2.256	3.867	-2.28	4.278	5.234	1.981	-3.76	-1.75												
4242	-1.488	4.193	-0.891	4.831	4.288	2.928	-5.92	-1.83												
5227	3.419	2.339	2.851	2.161	1.433	3.011	-3.43	-6.88												
6327	3.426	2.846	-1.823	3.812	3.388	2.685	-3.49	-4.51												
8728	1.735	4.988	-2.787	4.343	4.431	1.397	-2.12	-1.31												
10232	-0.972	5.328	-1.051	4.176	4.489	2.854	-3.89	-3.93												

E97

AIRBENT TEMP. 44.80
 AIRBULB TEMP. 35.80
 BAR. PRESSURE 29.17
 ABS. HUMIDITY 2.921

FAA FAN/COMPRESSOR - PHASE 55 + 50 IGVS 0 D50 CLOSED T/D 2/23/78

RPM 9-38187 SPEED 8500

DATE: 3/25/77

RADIAL DISTANCE 150

PAGE: 1

SOURCE PRESSURE LEVELS REDUCED AT STANDARD DAY

PRES.	ANGLES FROM INLET									
	2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2	92.2
50	64.56	65.32	71.03	62.80	68.50	68.38	70.64	70.64	70.64	72.66
60	65.17	64.49	69.22	64.37	67.14	68.56	67.99	70.42	71.01	71.01
70	63.15	62.79	68.42	62.83	68.12	68.69	70.46	71.46	71.43	71.43
80	63.78	64.23	68.46	61.23	67.27	67.86	68.68	69.38	70.78	71.09
90	66.01	64.23	67.08	62.93	67.21	67.93	68.98	69.52	69.74	71.09
100	65.16	64.41	68.76	63.44	68.59	70.79	71.35	71.11	70.63	71.09
110	62.10	60.66	63.68	60.94	63.98	65.79	66.30	67.15	66.94	68.11
120	61.14	61.05	61.53	58.44	60.98	62.23	63.41	63.63	63.66	64.77
130	60.01	64.49	65.00	61.50	64.02	65.36	66.70	68.13	68.68	69.80
140	69.18	65.39	67.64	63.11	68.86	69.91	70.51	70.37	70.49	71.09
150	69.12	68.77	70.01	65.13	69.07	71.13	71.92	71.61	70.93	71.09
160	66.19	68.02	69.12	63.89	68.55	69.94	70.88	69.58	68.93	69.89
170	72.46	67.40	67.93	63.18	69.09	69.82	70.17	69.42	68.39	69.39
180	75.72	73.76	74.05	68.62	73.07	73.24	73.80	74.95	75.53	76.53
190	76.32	73.61	78.83	68.15	74.18	74.21	75.12	75.18	75.10	76.10
200	76.88	75.65	78.29	72.84	77.51	77.33	78.53	78.53	78.53	79.53
210	78.12	74.64	74.55	71.85	77.73	77.27	78.22	78.62	78.31	79.31
220	77.75	73.81	74.43	69.96	75.79	76.25	76.48	76.85	76.88	77.88
230	81.27	83.45	83.67	75.32	83.30	85.78	82.16	79.91	80.85	81.85
240	78.57	78.62	79.79	75.86	80.28	81.52	80.24	77.73	78.63	79.63
250	79.30	78.35	79.75	76.39	82.18	77.38	81.91	76.02	77.97	78.97
260	83.49	80.54	81.13	79.49	88.70	84.38	82.74	77.05	77.68	78.68
270	77.79	88.54	76.28	73.89	88.28	79.57	82.77	76.12	76.23	77.23
280	88.49	83.45	78.45	76.77	82.89	81.71	82.25	76.35	76.53	77.53
290	90.37	89.60	89.63	85.21	91.48	93.59	91.70	88.48	87.77	88.77
300	92.80	90.85	89.27	85.38	91.12	91.19	91.31	87.02	87.19	88.19
310	123.7	103.9	104.2	99.86	105.9	106.1	104.9	102.2	101.7	102.7

MEASURED OASPL
CALCULATED OASPL
PNDB

OAPML: 148.7

AMBIENT TEMP. 44.02
WET-BULB TEMP. 35.23
BAR. PRESSURE 29.17
ABS. HUMIDITY 2.821

FAA FAN/COMPRESSOR - PHASE 5B + 5C 10VS 9 DEG CLOSED T/D 2/23/70

RUN#15 RUN#181 SPEED=5000

DATE: 5/25/78

RADIAL DISTANCE 150

PAGE 1

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	7.0	10.0	25.0	35.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
50	-2.15	-1.69	-1.43	-1.36	-1.31	-1.26	-1.21	-1.16	-1.11	-1.06	-1.01	-0.96	-0.91	-0.86	-0.81	-0.76	-0.71	-0.66	-0.61	-0.56	-0.51
63	-1.96	-1.50	-1.24	-1.17	-1.12	-1.07	-1.02	-0.97	-0.92	-0.87	-0.82	-0.77	-0.72	-0.67	-0.62	-0.57	-0.52	-0.47	-0.42	-0.37	-0.32
80	-1.81	-1.35	-1.09	-1.02	-0.97	-0.92	-0.87	-0.82	-0.77	-0.72	-0.67	-0.62	-0.57	-0.52	-0.47	-0.42	-0.37	-0.32	-0.27	-0.22	-0.17
100	-1.73	-1.27	-1.01	-0.94	-0.89	-0.84	-0.79	-0.74	-0.69	-0.64	-0.59	-0.54	-0.49	-0.44	-0.39	-0.34	-0.29	-0.24	-0.19	-0.14	-0.09
125	-1.67	-1.21	-0.95	-0.88	-0.83	-0.78	-0.73	-0.68	-0.63	-0.58	-0.53	-0.48	-0.43	-0.38	-0.33	-0.28	-0.23	-0.18	-0.13	-0.08	-0.03
160	-1.65	-1.19	-0.93	-0.86	-0.81	-0.76	-0.71	-0.66	-0.61	-0.56	-0.51	-0.46	-0.41	-0.36	-0.31	-0.26	-0.21	-0.16	-0.11	-0.06	-0.01
200	-1.60	-1.14	-0.88	-0.81	-0.76	-0.71	-0.66	-0.61	-0.56	-0.51	-0.46	-0.41	-0.36	-0.31	-0.26	-0.21	-0.16	-0.11	-0.06	-0.01	0.04
250	-1.55	-1.09	-0.83	-0.76	-0.71	-0.66	-0.61	-0.56	-0.51	-0.46	-0.41	-0.36	-0.31	-0.26	-0.21	-0.16	-0.11	-0.06	-0.01	0.04	0.09
315	-1.50	-1.04	-0.78	-0.71	-0.66	-0.61	-0.56	-0.51	-0.46	-0.41	-0.36	-0.31	-0.26	-0.21	-0.16	-0.11	-0.06	-0.01	0.04	0.09	0.14
400	-1.45	-0.99	-0.73	-0.66	-0.61	-0.56	-0.51	-0.46	-0.41	-0.36	-0.31	-0.26	-0.21	-0.16	-0.11	-0.06	-0.01	0.04	0.09	0.14	0.19
500	-1.40	-0.94	-0.68	-0.61	-0.56	-0.51	-0.46	-0.41	-0.36	-0.31	-0.26	-0.21	-0.16	-0.11	-0.06	-0.01	0.04	0.09	0.14	0.19	0.24
630	-1.35	-0.89	-0.63	-0.56	-0.51	-0.46	-0.41	-0.36	-0.31	-0.26	-0.21	-0.16	-0.11	-0.06	-0.01	0.04	0.09	0.14	0.19	0.24	0.29
800	-1.30	-0.84	-0.58	-0.51	-0.46	-0.41	-0.36	-0.31	-0.26	-0.21	-0.16	-0.11	-0.06	-0.01	0.04	0.09	0.14	0.19	0.24	0.29	0.34
1000	-1.25	-0.79	-0.53	-0.46	-0.41	-0.36	-0.31	-0.26	-0.21	-0.16	-0.11	-0.06	-0.01	0.04	0.09	0.14	0.19	0.24	0.29	0.34	0.39
1250	-1.20	-0.74	-0.48	-0.41	-0.36	-0.31	-0.26	-0.21	-0.16	-0.11	-0.06	-0.01	0.04	0.09	0.14	0.19	0.24	0.29	0.34	0.39	0.44
1600	-1.15	-0.69	-0.43	-0.36	-0.31	-0.26	-0.21	-0.16	-0.11	-0.06	-0.01	0.04	0.09	0.14	0.19	0.24	0.29	0.34	0.39	0.44	0.49
2000	-1.10	-0.64	-0.38	-0.31	-0.26	-0.21	-0.16	-0.11	-0.06	-0.01	0.04	0.09	0.14	0.19	0.24	0.29	0.34	0.39	0.44	0.49	0.54
2500	-1.05	-0.59	-0.33	-0.26	-0.21	-0.16	-0.11	-0.06	-0.01	0.04	0.09	0.14	0.19	0.24	0.29	0.34	0.39	0.44	0.49	0.54	0.59
3150	-1.00	-0.54	-0.28	-0.21	-0.16	-0.11	-0.06	-0.01	0.04	0.09	0.14	0.19	0.24	0.29	0.34	0.39	0.44	0.49	0.54	0.59	0.64
4000	-0.95	-0.49	-0.23	-0.16	-0.11	-0.06	-0.01	0.04	0.09	0.14	0.19	0.24	0.29	0.34	0.39	0.44	0.49	0.54	0.59	0.64	0.69
5000	-0.90	-0.44	-0.18	-0.11	-0.06	-0.01	0.04	0.09	0.14	0.19	0.24	0.29	0.34	0.39	0.44	0.49	0.54	0.59	0.64	0.69	0.74
6300	-0.85	-0.39	-0.13	-0.06	-0.01	0.04	0.09	0.14	0.19	0.24	0.29	0.34	0.39	0.44	0.49	0.54	0.59	0.64	0.69	0.74	0.79
8000	-0.80	-0.34	-0.08	-0.01	0.04	0.09	0.14	0.19	0.24	0.29	0.34	0.39	0.44	0.49	0.54	0.59	0.64	0.69	0.74	0.79	0.84
10000	-0.75	-0.29	-0.03	0.04	0.09	0.14	0.19	0.24	0.29	0.34	0.39	0.44	0.49	0.54	0.59	0.64	0.69	0.74	0.79	0.84	0.89

E99

A-BLEN' TEMP, 40.00
HE-BULB TEMP, 35.00
BAR, PRESSURE 29.17
ABS. HUMIDITY 2.621

FAA FAN/COMPRESSOR - PHASE 9B + 9C 10VS 9 DEG CLOSED T/D 2/23/78

RU=15 RUG=101 .PEED=5000

SOON PRESSURE LEVELS REDUCED AT STANFORD DAY

[illegible]

JAPANESE 147,18

44.2.	45.2.	46.2.	47.2.
48.2.	49.2.	50.2.	51.2.
52.2.	53.2.	54.2.	55.2.
56.2.	57.2.	58.2.	59.2.
60.2.	61.2.	62.2.	63.2.
64.2.	65.2.	66.2.	67.2.
68.2.	69.2.	70.2.	71.2.
72.2.	73.2.	74.2.	75.2.
76.2.	77.2.	78.2.	79.2.
80.2.	81.2.	82.2.	83.2.
84.2.	85.2.	86.2.	87.2.
88.2.	89.2.	90.2.	91.2.
92.2.	93.2.	94.2.	95.2.
96.2.	97.2.	98.2.	99.2.
100.2.	101.2.	102.2.	103.2.
104.2.	105.2.	106.2.	107.2.
108.2.	109.2.	110.2.	111.2.
112.2.	113.2.	114.2.	115.2.
116.2.	117.2.	118.2.	119.2.
120.2.	121.2.	122.2.	123.2.
124.2.	125.2.	126.2.	127.2.
128.2.	129.2.	130.2.	131.2.
132.2.	133.2.	134.2.	135.2.
136.2.	137.2.	138.2.	139.2.
140.2.	141.2.	142.2.	143.2.
144.2.	145.2.	146.2.	147.2.
148.2.	149.2.	150.2.	151.2.
152.2.	153.2.	154.2.	155.2.
156.2.	157.2.	158.2.	159.2.
160.2.	161.2.	162.2.	163.2.
164.2.	165.2.	166.2.	167.2.
168.2.	169.2.	170.2.	171.2.
172.2.	173.2.	174.2.	175.2.
176.2.	177.2.	178.2.	179.2.
180.2.	181.2.	182.2.	183.2.
184.2.	185.2.	186.2.	187.2.
188.2.	189.2.	190.2.	191.2.
192.2.	193.2.	194.2.	195.2.
196.2.	197.2.	198.2.	199.2.
200.2.	201.2.	202.2.	203.2.
204.2.	205.2.	206.2.	207.2.
208.2.	209.2.	210.2.	211.2.
212.2.	213.2.	214.2.	215.2.
216.2.	217.2.	218.2.	219.2.
220.2.	221.2.	222.2.	223.2.
224.2.	225.2.	226.2.	227.2.
228.2.	229.2.	230.2.	231.2.
232.2.	233.2.	234.2.	235.2.
236.2.	237.2.	238.2.	239.2.
240.2.	241.2.	242.2.	243.2.
244.2.	245.2.	246.2.	247.2.
248.2.	249.2.	250.2.	251.2.
252.2.	253.2.	254.2.	255.2.
256.2.	257.2.	258.2.	259.2.
260.2.	261.2.	262.2.	263.2.
264.2.	265.2.	266.2.	267.2.
268.2.	269.2.	270.2.	271.2.
272.2.	273.2.	274.2.	275.2.
276.2.	277.2.	278.2.	279.2.
280.2.	281.2.	282.2.	283.2.
284.2.	285.2.	286.2.	287.2.
288.2.	289.2.	290.2.	291.2.
292.2.	293.2.	294.2.	295.2.
296.2.	297.2.	298.2.	299.2.
300.2.	301.2.	302.2.	303.2.
304.2.	305.2.	306.2.	307.2.
308.2.	309.2.	310.2.	311.2.
312.2.	313.2.	314.2.	315.2.
316.2.	317.2.	318.2.	319.2.
320.2.	321.2.	322.2.	323.2.
324.2.	325.2.	326.2.	327.2.
328.2.	329.2.	330.2.	331.2.
332.2.	333.2.	334.2.	335.2.
336.2.	337.2.	338.2.	339.2.
340.2.	341.2.	342.2.	343.2.
344.2.	345.2.	346.2.	347.2.
348.2.	349.2.	350.2.	351.2.
352.2.	353.2.	354.2.	355.2.
356.2.	357.2.	358.2.	359.2.
360.2.	361.2.	362.2.	363.2.
364.2.	365.2.	366.2.	367.2.
368.2.			

FA-1A C2 3752 - PLASE 98 - 2y 10YS Y DEG CLOSED T/T 2/23/72

(M) = 0

C
—
P

S

SUN W PRESSURE LEVELS DIRECTIVITY INDEX

	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	11.	12.	13.	14.	15.	16.	17.	18.	19.	20.	21.	22.	23.	24.	25.	26.	27.	28.	29.	30.	31.	32.	33.	34.	35.	36.	37.	38.	39.	40.	41.	42.	43.	44.	45.	46.	47.	48.	49.	50.	51.	52.	53.	54.	55.	56.	57.	58.	59.	60.	61.	62.	63.	64.	65.	66.	67.	68.	69.	70.	71.	72.	73.	74.	75.	76.	77.	78.	79.	80.	81.	82.	83.	84.	85.	86.	87.	88.	89.	90.	91.	92.	93.	94.	95.	96.	97.	98.	99.	100.																																														
ANGLE FROM INLET	1.513	4.119	2.105	1.773	2.099	3.945	6.812	1.761	2.148	7.176	2.104	2.334	4.084	6.136	7.846	4.119	1.308	2.276	3.911	4.614	6.044	8.955	2.833	1.946	2.280	4.816	3.980	5.372	1.131	3.821	1.682	2.684	3.600	4.208	5.665	1.361	2.498	2.572	3.888	3.613	4.248	3.724	2.247	2.449	1.647	4.085	3.789	4.544	4.895	4.955	2.469	1.781	2.236	3.258	4.234	4.837	3.225	3.881	1.212	2.926	3.359	3.477	3.195	1.946	3.889	1.027	3.224	4.812	3.902	3.477	1.168	3.116	2.889	3.384	3.889	3.583	3.283	1.048	3.271	2.994	4.207	2.321	2.878	1.041	3.392	3.497	3.042	3.179	3.795	3.663	3.532	2.178	3.481	2.186	3.269	3.380	2.134	6.169	2.117	3.769	2.953	3.783	3.937	2.889	1.693	2.449	2.785	3.358	3.788	4.458	2.115	2.867	3.311	3.045	4.036	2.348	1.132	2.310	1.112	1.941	4.970	3.854	3.616	3.135	3.883	6.342	4.496	3.319	4.980	1.883	3.115	3.883	4.639	5.119	1.272	5.989	1.898	2.099	1.195	2.197	2.777	7.844	4.881	3.477	2.339	2.396

AIR/ENT TEMP 44.67
 AIR/ENT PRESS 15.47
 AIR/ENT HUMIDITY 29.17
 AIR/ENT DENSITY 2.82

FAA FAN/COMPRESSOR - P-45E 22.4 25.1 100'S 9 NEW CLOSED T/D 2/23/72

R-415 RUM-132 S-27-2525-1

E101

LATEL 5/25/77

PAGE 1

RADIAL DISTANCE 150

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET									
	7.2	10.2	23.2	30.2	47.2	52.2	67.2	70.2	80.2	90.2
53	58.82	69.12	71.71	66.13	73.26	71.25	72.80	73.99	70.96	123.5
63	60.43	68.65	70.98	67.84	72.00	71.56	72.37	74.38	70.79	123.3
82	66.19	66.88	68.68	68.30	72.15	71.54	72.57	73.79	70.99	123.7
102	72.42	71.98	70.97	67.66	75.36	72.11	77.44	76.81	70.82	128.0
125	67.64	67.33	69.46	65.38	71.14	71.73	72.64	72.03	70.54	128.4
140	65.36	65.62	68.89	65.82	70.57	70.93	71.51	71.95	71.82	131.2
200	66.78	65.23	67.24	63.11	68.46	71.21	69.98	71.67	69.79	130.8
250	63.58	62.25	63.86	59.86	64.73	65.10	65.96	66.64	63.39	131.3
315	68.82	64.99	66.15	62.88	67.44	68.25	68.30	71.59	70.48	123.8
400	71.16	68.38	70.61	65.97	73.46	73.99	74.88	73.53	70.92	128.7
500	71.80	71.58	72.70	68.44	73.46	73.32	75.84	75.86	70.28	128.6
630	69.24	70.97	71.70	67.62	71.54	70.92	74.84	73.42	70.45	124.0
800	74.42	70.37	70.46	65.82	71.11	71.35	73.14	71.48	70.31	128.9
1000	77.04	75.95	76.86	71.22	77.11	77.56	79.24	75.83	70.68	128.7
1250	79.09	77.22	79.25	71.54	78.95	79.94	78.95	75.18	70.95	128.7
1500	80.99	79.30	80.47	72.16	80.90	80.62	81.47	77.11	70.82	128.2
2000	81.47	78.15	78.34	70.32	81.13	80.33	81.38	76.28	70.39	128.1
2500	80.59	76.83	77.23	71.19	78.27	80.08	80.15	74.83	70.58	128.2
3150	80.37	82.18	80.94	76.31	84.27	80.61	84.31	78.08	70.96	128.2
4000	85.89	80.66	88.61	82.18	88.97	85.96	91.64	88.06	80.79	128.1
5000	82.06	82.19	81.44	79.88	87.99	85.26	85.87	78.36	70.32	127.2
6300	84.86	81.71	83.40	78.38	84.98	85.99	84.54	76.88	70.47	127.3
8000	82.76	80.15	84.63	81.72	88.85	85.31	87.78	82.11	80.21	127.1
10000	83.44	80.82	82.63	78.99	83.87	87.44	85.78	78.59	70.61	128.7
MEASURED OASPL	93.32	93.72	93.61	89.81	93.92	94.96	96.43	91.82	91.93	
CALCULATED OASPL	93.13	93.94	93.42	88.66	93.78	94.97	96.28	91.82	91.38	
PDdB	107.13	108.5	108.5	103.2	107.7	111.7	111.4	106.2	106.3	

E102

QAPHL 150.3

AMBIENT TEMP. 44.80
WET-BULB TEMP. 39.80
BAR. PRESSURE 29.17
ABS. HUMIDITY 2.821

FLA FAN/COMPRESSOR - PHASE 58 - 5C IGVS 9 DEG CLOSED 7/6 2/23/78

RUF 215 RDE 103 SPEED 5750

SOUND PRESSURE LEVELS DIRECTIVITY INDEX									
FREQ	ANGLES FROM INLET								
	2.2	12.2	22.2	32.2	42.2	52.2	62.2	72.2	82.2
50	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09	-1.09
63	-1.27	-1.27	-1.27	-1.27	-1.27	-1.27	-1.27	-1.27	-1.27
80	-2.43	-2.43	-2.43	-2.43	-2.43	-2.43	-2.43	-2.43	-2.43
100	-1.51	-1.51	-1.51	-1.51	-1.51	-1.51	-1.51	-1.51	-1.51
125	-1.54	-1.54	-1.54	-1.54	-1.54	-1.54	-1.54	-1.54	-1.54
160	-2.10	-2.10	-2.10	-2.10	-2.10	-2.10	-2.10	-2.10	-2.10
200	-1.79	-1.79	-1.79	-1.79	-1.79	-1.79	-1.79	-1.79	-1.79
250	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31	-1.31
315	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25	-1.25
400	-1.51	-1.51	-1.51	-1.51	-1.51	-1.51	-1.51	-1.51	-1.51
500	-1.73	-1.73	-1.73	-1.73	-1.73	-1.73	-1.73	-1.73	-1.73
630	-1.53	-1.53	-1.53	-1.53	-1.53	-1.53	-1.53	-1.53	-1.53
800	-1.67	-1.67	-1.67	-1.67	-1.67	-1.67	-1.67	-1.67	-1.67
1000	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22
1250	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34
1600	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34	-1.34
2000	-1.69	-1.69	-1.69	-1.69	-1.69	-1.69	-1.69	-1.69	-1.69
2500	-1.55	-1.55	-1.55	-1.55	-1.55	-1.55	-1.55	-1.55	-1.55
3150	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22	-1.22
4000	-1.71	-1.71	-1.71	-1.71	-1.71	-1.71	-1.71	-1.71	-1.71
5000	-1.32	-1.32	-1.32	-1.32	-1.32	-1.32	-1.32	-1.32	-1.32
6300	-1.37	-1.37	-1.37	-1.37	-1.37	-1.37	-1.37	-1.37	-1.37
8000	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19	-1.19
10000	-1.41	-1.41	-1.41	-1.41	-1.41	-1.41	-1.41	-1.41	-1.41

ATMOSPHERIC TEMP 44.00

WATER TEMP 35.00

BAR. PRESSURE 29.17

REL. HUMIDITY 2.621

FAA FAN COMPRESSOR - PHASE 5B + 5C

IGVS 9 DBB CLOSED T/D 2/23/78

RU#15

RU#183

SPEED#5750

RADIAL DISTANCE 150

PAGE 1, 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLE FROM INLET 40.2 30.2 20.2 10.2 0 10.2 20.2 30.2 40.2

15.0 20.0 30.0 40.0 50.0 60.0 70.0 80.0 90.0 100.0 110.0 120.0 130.0 140.0 150.0 160.0 170.0 180.0

1	-6.72	-1.789	1.938	-3.06	1.337	1.379	3.227	4.188	7.122
2	-6.95	-1.69	1.907	-3.05	1.431	1.448	3.286	4.943	7.239
3	-6.41	-2.83	1.616	-3.17	1.879	1.986	3.682	5.066	7.365
4	-6.47	-1.68	1.911	-4.59	1.174	1.379	4.939	4.867	5.284
5	-5.26	-2.11	1.338	-4.20	1.834	2.064	4.886	4.784	6.716
6	-5.75	-2.86	1.139	-3.34	2.449	3.183	5.142	5.378	4.687
7	-5.68	-1.289	1.869	-3.25	1.887	2.151	3.347	5.875	1.682
8	-5.55	-2.671	1.877	-3.99	1.861	2.191	3.884	4.958	2.486
9	1.437	-1.64	1.288	-3.96	1.335	1.395	3.955	3.759	4.911
10	1.491	-2.57	1.218	-3.42	1.277	2.281	3.438	4.332	4.872
11	1.217	-1.689	1.449	-3.58	1.748	3.146	4.128	4.491	3.883
12	1.984	1.323	1.828	-3.49	2.923	3.183	4.831	3.493	3.882
13	3.627	1.697	1.164	-4.23	2.898	2.982	3.386	2.488	2.117
14	3.789	1.445	1.488	-3.27	2.714	2.828	3.787	2.193	1.811
15	3.353	1.971	1.332	-3.47	2.949	2.829	3.889	3.938	1.288
16	3.682	1.633	1.886	-3.83	3.287	2.384	3.388	3.149	2.149
17	3.911	1.756	1.841	-3.88	4.123	2.195	3.389	1.036	2.28
18	4.421	1.882	1.814	-2.54	3.178	3.863	3.447	1.123	2.49
19	4.756	1.341	4.188	-3.83	4.149	4.131	3.376	2.71	2.98
20	4.882	1.163	5.278	-3.83	1.219	2.182	3.819	2.818	2.82
21	1.332	2.111	1.831	-3.848	5.267	2.339	3.182	3.19	3.48
22	2.726	2.164	2.893	-4.87	4.273	2.729	3.289	4.16	2.22
23	1.616	3.148	1.932	-4.94	3.288	3.729	4.566	1.33	1.92
24	1.483	3.779	1.997	-3.48	2.892	2.372	3.288	2.88	2.19

E105

4. AT TEMP. 44.80
5. TEMP. 15.80
11. PRESS. DE 20.17
12. REL. HUMIDITY 2.421

5. PA / COMPRESSOR - PHASE 9W - 5C. 14V: 9 NEG. CLASSED Y/D 2/23/79

5. 5.5 QUIET 84 501000000

BOUND PRESSURE LEVELS DIRECTIVITY INDEX

ANGLES FROM LEFT

ANGLES FROM 151ET
 10.0 70.0 87.0 90.0 121.0 110.0 120.0 130.0 141.0 150.0 160.0 170.0 180.0

5	-2.44	-1.05	2.631	-3.76	1.384	1.248	2.327	3.394	7.023
6	-3.129	-2.17	1.613	-2.16	1.589	1.182	2.012	4.749	7.699
7	-4.11	-2.33	7.438	-4.34	1.355	1.909	3.473	4.754	7.532
8	-4.21	-1.04	1.602	-4.02	1.248	2.272	4.323	4.339	4.832
9	-1.47	-1.72	1.119	-3.91	1.392	2.483	3.022	4.389	5.979
10	-2.26	-1.68	1.719	-3.48	1.071	2.823	2.730	4.418	4.747
11	-1.678	-1.69	1.723	-3.07	1.263	3.46	3.480	3.522	
12	-1.19	-1.41	1.658	-2.58	1.087	2.317	3.543	3.112	3.781
13	1.842	-2.13	1.439	-3.44	1.429	2.222	4.387	3.988	4.212
14	1.169	-2.72	1.824	-2.73	2.064	3.186	3.830	4.778	4.686
15	-1.406	-1.088	1.978	-3.08	1.946	3.146	4.201	4.027	4.230
16	-1.23	-1.23	1.116	-2.08	2.292	3.448	4.838	3.824	3.432
17	3.687	1.655	1.143	-2.34	2.815	3.182	3.103	2.386	3.912
18	3.626	1.132	1.439	-2.59	2.212	2.182	4.200	1.936	3.327
19	3.439	1.977	1.689	-2.94	2.987	2.924	3.206	1.874	1.907
20	3.261	1.078	1.806	-2.44	3.027	4.388	3.496	0.380	1.34
21	3.206	1.206	1.389	-1.74	3.098	3.346	3.346	-1.16	2.80
22	4.214	1.014	1.331	-2.28	2.783	2.373	3.349	2.281	2.688
23	3.983	1.283	1.849	-3.06	4.014	4.029	1.503	2.388	1.98
24	3.482	1.692	2.989	-4.31	3.792	4.384	1.117	2.382	2.42
25	3.759	1.693	1.887	-3.31	4.044	3.118	3.906	-2.99	3.46
26	3.746	1.846	2.444	-1.73	2.724	2.888	3.208	-2.18	2.32
27	4.259	2.682	2.619	-2.34	1.484	3.824	3.792	-0.37	1.88
28	3.579	3.579	1.396	-2.31	1.098	6.884	3.333	-2.41	2.84

DATE	TIME	WIND	WAVE	SEA	TEMP.	WIND	WAVE	SEA	TEMP.
10/10/50	0800	10	2	3	44	10	2	3	44
10/10/50	1200	10	2	3	44	10	2	3	44
10/10/50	1600	10	2	3	44	10	2	3	44
10/10/50	2000	10	2	3	44	10	2	3	44
10/10/50	2400	10	2	3	44	10	2	3	44

SEA CAN/COPYPRESS - PHASE 2B - 5C 1QVS 9 OFC CLOSED Y/C 2/23/72

5:00 PM
- 5:00 PM

FACIAL DISTANCE 150

PAGE 1

SOON PRESSURE LEVELS REDUCED AT STANDARD DAY

	15.2	30.2	45.2	60.2	75.2	90.2	105.2	120.2	135.2	150.2	165.2	180.2	195.2	210.2	225.2	240.2	255.2	270.2	285.2	300.2	315.2	330.2	345.2	360.2	375.2	390.2	405.2	420.2	435.2	450.2	465.2	480.2	495.2	510.2	525.2	540.2	555.2	570.2	585.2	600.2	615.2	630.2	645.2	660.2	675.2	690.2	705.2	720.2	735.2	750.2	765.2	780.2	795.2	810.2	825.2	840.2	855.2	870.2	885.2	900.2	915.2	930.2	945.2	960.2	975.2	990.2	1005.2	1020.2	1035.2	1050.2	1065.2	1080.2	1095.2	1110.2	1125.2	1140.2	1155.2	1170.2	1185.2	1200.2	1215.2	1230.2	1245.2	1260.2	1275.2	1290.2	1305.2	1320.2	1335.2	1350.2	1365.2	1380.2	1395.2	1410.2	1425.2	1440.2	1455.2	1470.2	1485.2	1500.2	1515.2	1530.2	1545.2	1560.2	1575.2	1590.2	1605.2	1620.2	1635.2	1650.2	1665.2	1680.2	1695.2	1710.2	1725.2	1740.2	1755.2	1770.2	1785.2	1800.2	1815.2	1830.2	1845.2	1860.2	1875.2	1890.2	1905.2	1920.2	1935.2	1950.2	1965.2	1980.2	1995.2	2010.2	2025.2	2040.2	2055.2	2070.2	2085.2	2100.2	2115.2	2130.2	2145.2	2160.2	2175.2	2190.2	2205.2	2220.2	2235.2	2250.2	2265.2	2280.2	2295.2	2310.2	2325.2	2340.2	2355.2	2370.2	2385.2	2400.2	2415.2	2430.2	2445.2	2460.2	2475.2	2490.2	2505.2	2520.2	2535.2	2550.2	2565.2	2580.2	2595.2	2610.2	2625.2	2640.2	2655.2	2670.2	2685.2	2700.2	2715.2	2730.2	2745.2	2760.2	2775.2	2790.2	2805.2	2820.2	2835.2	2850.2	2865.2	2880.2	2895.2	2910.2	2925.2	2940.2	2955.2	2970.2	2985.2	3000.2	3015.2	3030.2	3045.2	3060.2	3075.2	3090.2	3105.2	3120.2	3135.2	3150.2	3165.2	3180.2	3195.2	3210.2	3225.2	3240.2	3255.2	3270.2	3285.2	3300.2	3315.2	3330.2	3345.2	3360.2	3375.2	3390.2	3405.2	3420.2	3435.2	3450.2	3465.2	3480.2	3495.2	3510.2	3525.2	3540.2	3555.2	3570.2	3585.2	3600.2	3615.2	3630.2	3645.2	3660.2	3675.2	3690.2	3705.2	3720.2	3735.2	3750.2	3765.2	3780.2	3795.2	3810.2	3825.2	3840.2	3855.2	3870.2	3885.2	3900.2	3915.2	3930.2	3945.2	3960.2	3975.2	3990.2	4005.2	4020.2	4035.2	4050.2	4065.2	4080.2	4095.2	4110.2	4125.2	4140.2	4155.2	4170.2	4185.2	4200.2	4215.2	4230.2	4245.2	4260.2	4275.2	4290.2	4305.2	4320.2	4335.2	4350.2	4365.2	4380.2	4395.2	4410.2	4425.2	4440.2	4455.2	4470.2	4485.2	4500.2	4515.2	4530.2	4545.2	4560.2	4575.2	4590.2	4605.2	4620.2	4635.2	4650.2	4665.2	4680.2	4695.2	4710.2	4725.2	4740.2	4755.2	4770.2	4785.2	4800.2	4815.2	4830.2	4845.2	4860.2	4875.2	4890.2	4905.2	4920.2	4935.2	4950.2	4965.2	4980.2	4995.2	5010.2	5025.2	5040.2	5055.2	5070.2	5085.2	5100.2	5115.2	5130.2	5145.2	5160.2	5175.2	5190.2	5205.2	5220.2	5235.2	5250.2	5265.2	5280.2	5295.2	5310.2	5325.2	5340.2	5355.2	5370.2	5385.2	5400.2	5415.2	5430.2	5445.2	5460.2	5475.2	5490.2	5505.2	5520.2	5535.2	5550.2	5565.2	5580.2	5595.2	5610.2	5625.2	5640.2	5655.2	5670.2	5685.2	5700.2	5715.2	5730.2	5745.2	5760.2	5775.2	5790.2	5805.2	5820.2	5835.2	5850.2	5865.2	5880.2	5895.2	5910.2	5925.2	5940.2	5955.2	5970.2	5985.2	6000.2	6015.2	6030.2	6045.2	6060.2	6075.2	6090.2	6105.2	6120.2	6135.2	6150.2	6165.2	6180.2	6195.2	6210.2	6225.2	6240.2	6255.2	6270.2	6285.2	6300.2	6315.2	6330.2	6345.2	6360.2	6375.2	6390.2	6405.2	6420.2	6435.2	6450.2	6465.2	6480.2	6495.2	6510.2	6525.2	6540.2	6555.2	6570.2	6585.2	6600.2	6615.2	6630.2	6645.2	6660.2	6675.2	6690.2	6705.2	6720.2	6735.2	6750.2	6765.2	6780.2	6795.2	6810.2	6825.2	6840.2	6855.2	6870.2	6885.2	6900.2	6915.2	6930.2	6945.2	6960.2	6975.2	6990.2	7005.2	7020.2	7035.2	7050.2	7065.2	7080.2	7095.2	7110.2	7125.2	7140.2	7155.2	7170.2	7185.2	7200.2	7215.2	7230.2	7245.2	7260.2	7275.2	7290.2	7305.2	7320.2	7335.2	7350.2	7365.2	7380.2	7395.2	7410.2	7425.2	7440.2	7455.2	7470.2	7485.2	7500.2	7515.2	7530.2	7545.2	7560.2	7575.2	7590.2	7605.2	7620.2	7635.2	7650.2	7665.2	7680.2	7695.2	7710.2	7725.2	7740.2	7755.2	7770.2	7785.2	7800.2	7815.2	7830.2	7845.2	7860.2	7875.2	7890.2	7905.2	7920.2	7935.2	7950.2	7965.2	7980.2	7995.2	8010.2	8025.2	8040.2	8055.2	8070.2	8085.2	8100.2	8115.2	8130.2	8145.2	8160.2	8175.2	8190.2	8205.2	8220.2	8235.2	8250.2	8265.2	8280.2	8295.2	8310.2	8325.2	8340.2	8355.2	8370.2	8385.2	8400.2	8415.2	8430.2	8445.2	8460.2	8475.2	8490.2	8505.2	8520.2	8535.2	8550.2	8565.2	8580.2	8595.2	8610.2	8625.2	8640.2	8655.2	8670.2	8685.2	8700.2	8715.2	8730.2	8745.2	8760.2	8775.2	8790.2	8805.2	8820.2	8835.2	8850.2	8865.2	8880.2	8895.2	8910.2	8925.2	8940.2	8955.2	8970.2	8985.2	9000.2	9015.2	9030.2	9045.2	9060.2	9075.2	9090.2	9105.2	9120.2	9135.2	9150.2	9165.2	9180.2	9195.2	9210.2	9225.2	9240.2	9255.2	9270.2	9285.2	9300.2	9315.2	9330.2	9345.2	9360.2	9375.2	9390.2	9405.2	9420.2	9435.2	9450.2	9465.2	9480.2	9495.2	9510.2	9525.2	9540.2	9555.2	9570.2	9585.2	9600.2	9615.2	9630.2	9645.2	9660.2	9675.2	9690.2	9705.2	9720.2	9735.2	9750.2	9765.2	9780.2	9795.2	9810.2	9825.2	9840.2	9855.2	9870.2	9885.2	9900.2	9915.2	9930.2	9945.2	9960.2	9975.2	9990.2	10005.2	10020.2	10035.2	10050.2	10065.2	10080.2	10095.2	10110.2	10125.2	10140.2	10155.2	10170.2	10185.2	10200.2	10215.2	10230.2	10245.2	10260.2	10275.2	10290.2	10305.2	10320.2	10335.2	10350.2	10365.2	10380.2	10395.2	10410.2	10425.2	10440.2	10455.2	10470.2	10485.2	10500.2	10515.2	10530.2	10545.2	10560.2	10575.2	10590.2	10605.2	10620.2	10635.2	10650.2	10665.2	10680.2	10695.2	10710.2	10725.2	10740.2	10755.2	10770.2	10785.2	10800.2	10815.2	10830.2	10845.2	10860.2	10875.2	10890.2	10905.2	10920.2	10935.2	10950.2	10965.2	10980.2	10995.2	11010.2	11025.2	11040.2	11055.2	11070.2	11085.2	11100.2	11115.2	11130.2	11145.2	11160.2	11175.2	11190.2	11205.2	11220.2	11235.2	11250.2	11265.2	11280.2	11295.2	11310.2	11325.2	11340.2	11355.2	11370.2	11385.2	11400.2	11415.2	11430.2	11445.2	11460.2	11475.2	11490.2	11505.2	11520.2	11535.2	11550.2	11565.2	11580.2	11595.2	11610.2	11625.2	11640.2	11655.2	11670.2	11685.2	11700.2	11715.2	11730.2	11745.2	11760.2	11775.2	11790.2	11805.2	11820.2	11835.2	11850.2	11865.2	11880.2	11895.2	11910.2	11925.2	11940.2	11955.2	11970.2	11985.2	12000.2	12015.2	12030.2	12045.2	12060.2	12075.2	12090.2	12105.2	12120.2	12135.2	12150.2	12165.2	12180.2	12195.2	12210.2	12225.2	12240.2	12255.2	12270.2	12285.2	12300.2	12315.2	12330.2	12345.2	12360.2	12375.2	12390.2	12405.2	12420.2	12435.2	12450.2	12465.2	12480.2	12495.2	12510.2	12525.2	12540.2	12555.2	12570.2	12585.2	12600.2	12615.2	12630.2	12645.2	12660.2	12675.2	12690.2	12705.2	12720.2	12735.2	12750.2	12765.2	12780.2	12795.2	12810.2	12825.2	12840.2	12855.2	12870.2	12885.2	12900.2	12915.2	12930.2	12945.2	12960.2	12975.2	12990.2	13005.2	13020.2	13035.2	13050.2	13065.2	13080.2	13095.2	13110.2	13125.2	13140.2	13155.2	13170.2	13185.2	13200.2	13215.2	13230.2	13245.2	13260.2	13275.2	13290.2	13305.2	13320.2	13335.2	13350.2	13365.2	13380.2	13395.2	13410.2	13425.2	13440.2	13455.2	13470.2	13485.2	13500.2	13515.2	13530.2	13545.2	13560.2	13575.2	13590.2	13605.2	13620.2	13635.2	13650.2	13665.2	13680.2	13695.2	13710.2	13725.2	13740.2	13755.2	13770.2	13785.2	13800.2	13815.2	13830.2	13845.2	13860.2	13875.2	13890.2	13905.2	13920.2	13935.2	13950.2	13965.2	13980.2	13995.2	14010.2	14025.2	14040.2	14055.2	14070.2	14085.2	14100.2	14115.2	14130.2	14145.2	14160.2	14175.2	14190.2	14205.2	14220.2	14235.2	14250.2	14265.2	14280.2	14295.2	14310.2	14325.2	14340.2	14355.2	14370.2	14385.2	14400.2	14415.2	14430.2	14445.2	14460.2	14475.2	14490.2	14505.2	14520.2	14535.2	14550.2	14565.2	14580.2	14595.2	14610.2	14625.2	14640.2	14655.2	14670.2	14685.2	14700.2	14715.2	14730.2	14745.2	14760.2	14775.2	14790.2	14805.2	14820.2	14835.2	14850.2	14865.2	14880.2	14895.2	14910.2	14925.2	14940.2	14955.2	14970.2	14985.2	15000.2	15015.2	15030.2	15045.2	15060.2	15075.2	15090.2	15105.2	15120.2	15135.2	15150.2	15165.2	15180.2	15195.2	15210.2	15225.2	15240.2	15255.2	15270.2	15285.2	15300.2	15315.2	15330.2	15345.2	15360.2	15375.2	15390.2	15405.2	15420.2	15435.2	15450.2	15465.2	15480.2	15495.2	15510.2	15525.2	15540.2	15555.2	15570.2	15585.2	15600.2	15615.2	15630.2	15645.2	15660.2	15675.2	15690.2	15705.2	15720.2	15735.2	15750.2	15765.2	15780.2	15795.2	15810.2	15825.2	15840.2	15855.2	15870.2	15885.2	15900.2	15915.2	15930.2	15945.2	15960.2	15975.2	15990.2	16005.2	16020.2	16035.2	16050.2	16065.2	16080.2	16095.2	16110.2	16125.2	16140.2	16155.2	16170
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RACIAL DISTANCE 132

PAGE 1

SOUND PRESSURE LEVELS EFFECTIVITY INDEX

ANGLE FROM LEFT	0°	2°	4°	6°	8°	10°	12°	14°	16°	18°	20°	22°	24°	26°	28°	30°	32°	34°	36°	38°	40°	42°	44°	46°	48°	50°	52°	54°	56°	58°	60°	62°	64°	66°	68°	70°	72°	74°	76°	78°	80°	82°	84°	86°	88°	90°																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																			
0	-3.07	-4.15	-4.38	-4.53	-4.68	-4.83	-4.98	-5.13	-5.28	-5.43	-5.58	-5.73	-5.88	-6.03	-6.18	-6.33	-6.48	-6.63	-6.78	-6.93	-7.08	-7.23	-7.38	-7.53	-7.68	-7.83	-7.98	-8.13	-8.28	-8.43	-8.58	-8.73	-8.88	-9.03	-9.18	-9.33	-9.48	-9.63	-9.78	-9.93	-10.08	-10.23	-10.38	-10.53	-10.68	-10.83	-10.98	-11.13	-11.28	-11.43	-11.58	-11.73	-11.88	-12.03	-12.18	-12.33	-12.48	-12.63	-12.78	-12.93	-13.08	-13.23	-13.38	-13.53	-13.68	-13.83	-13.98	-14.13	-14.28	-14.43	-14.58	-14.73	-14.88	-15.03	-15.18	-15.33	-15.48	-15.63	-15.78	-15.93	-16.08	-16.23	-16.38	-16.53	-16.68	-16.83	-16.98	-17.13	-17.28	-17.43	-17.58	-17.73	-17.88	-18.03	-18.18	-18.33	-18.48	-18.63	-18.78	-18.93	-19.08	-19.23	-19.38	-19.53	-19.68	-19.83	-19.98	-20.13	-20.28	-20.43	-20.58	-20.73	-20.88	-21.03	-21.18	-21.33	-21.48	-21.63	-21.78	-21.93	-22.08	-22.23	-22.38	-22.53	-22.68	-22.83	-22.98	-23.13	-23.28	-23.43	-23.58	-23.73	-23.88	-24.03	-24.18	-24.33	-24.48	-24.63	-24.78	-24.93	-25.08	-25.23	-25.38	-25.53	-25.68	-25.83	-25.98	-26.13	-26.28	-26.43	-26.58	-26.73	-26.88	-27.03	-27.18	-27.33	-27.48	-27.63	-27.78	-27.93	-28.08	-28.23	-28.38	-28.53	-28.68	-28.83	-28.98	-29.13	-29.28	-29.43	-29.58	-29.73	-29.88	-30.03	-30.18	-30.33	-30.48	-30.63	-30.78	-30.93	-31.08	-31.23	-31.38	-31.53	-31.68	-31.83	-31.98	-32.13	-32.28	-32.43	-32.58	-32.73	-32.88	-33.03	-33.18	-33.33	-33.48	-33.63	-33.78	-33.93	-34.08	-34.23	-34.38	-34.53	-34.68	-34.83	-34.98	-35.13	-35.28	-35.43	-35.58	-35.73	-35.88	-36.03	-36.18	-36.33	-36.48	-36.63	-36.78	-36.93	-37.08	-37.23	-37.38	-37.53	-37.68	-37.83	-37.98	-38.13	-38.28	-38.43	-38.58	-38.73	-38.88	-39.03	-39.18	-39.33	-39.48	-39.63	-39.78	-39.93	-40.08	-40.23	-40.38	-40.53	-40.68	-40.83	-40.98	-41.13	-41.28	-41.43	-41.58	-41.73	-41.88	-42.03	-42.18	-42.33	-42.48	-42.63	-42.78	-42.93	-43.08	-43.23	-43.38	-43.53	-43.68	-43.83	-43.98	-44.13	-44.28	-44.43	-44.58	-44.73	-44.88	-45.03	-45.18	-45.33	-45.48	-45.63	-45.78	-45.93	-46.08	-46.23	-46.38	-46.53	-46.68	-46.83	-46.98	-47.13	-47.28	-47.43	-47.58	-47.73	-47.88	-48.03	-48.18	-48.33	-48.48	-48.63	-48.78	-48.93	-49.08	-49.23	-49.38	-49.53	-49.68	-49.83	-49.98	-50.13	-50.28	-50.43	-50.58	-50.73	-50.88	-51.03	-51.18	-51.33	-51.48	-51.63	-51.78	-51.93	-52.08	-52.23	-52.38	-52.53	-52.68	-52.83	-52.98	-53.13	-53.28	-53.43	-53.58	-53.73	-53.88	-54.03	-54.18	-54.33	-54.48	-54.63	-54.78	-54.93	-55.08	-55.23	-55.38	-55.53	-55.68	-55.83	-55.98	-56.13	-56.28	-56.43	-56.58	-56.73	-56.88	-57.03	-57.18	-57.33	-57.48	-57.63	-57.78	-57.93	-58.08	-58.23	-58.38	-58.53	-58.68	-58.83	-58.98	-59.13	-59.28	-59.43	-59.58	-59.73	-59.88	-60.03	-60.18	-60.33	-60.48	-60.63	-60.78	-60.93	-61.08	-61.23	-61.38	-61.53	-61.68	-61.83	-61.98	-62.13	-62.28	-62.43	-62.58	-62.73	-62.88	-63.03	-63.18	-63.33	-63.48	-63.63	-63.78	-63.93	-64.08	-64.23	-64.38	-64.53	-64.68	-64.83	-64.98	-65.13	-65.28	-65.43	-65.58	-65.73	-65.88	-66.03	-66.18	-66.33	-66.48	-66.63	-66.78	-66.93	-67.08	-67.23	-67.38	-67.53	-67.68	-67.83	-67.98	-68.13	-68.28	-68.43	-68.58	-68.73	-68.88	-69.03	-69.18	-69.33	-69.48	-69.63	-69.78	-69.93	-70.08	-70.23	-70.38	-70.53	-70.68	-70.83	-70.98	-71.13	-71.28	-71.43	-71.58	-71.73	-71.88	-72.03	-72.18	-72.33	-72.48	-72.63	-72.78	-72.93	-73.08	-73.23	-73.38	-73.53	-73.68	-73.83	-73.98	-74.13	-74.28	-74.43	-74.58	-74.73	-74.88	-75.03	-75.18	-75.33	-75.48	-75.63	-75.78	-75.93	-76.08	-76.23	-76.38	-76.53	-76.68	-76.83	-76.98	-77.13	-77.28	-77.43	-77.58	-77.73	-77.88	-78.03	-78.18	-78.33	-78.48	-78.63	-78.78	-78.93	-79.08	-79.23	-79.38	-79.53	-79.68	-79.83	-79.98	-80.13	-80.28	-80.43	-80.58	-80.73	-80.88	-81.03	-81.18	-81.33	-81.48	-81.63	-81.78	-81.93	-82.08	-82.23	-82.38	-82.53	-82.68	-82.83	-82.98	-83.13	-83.28	-83.43	-83.58	-83.73	-83.88	-84.03	-84.18	-84.33	-84.48	-84.63	-84.78	-84.93	-85.08	-85.23	-85.38	-85.53	-85.68	-85.83	-85.98	-86.13	-86.28	-86.43	-86.58	-86.73	-86.88	-87.03	-87.18	-87.33	-87.48	-87.63	-87.78	-87.93	-88.08	-88.23	-88.38	-88.53	-88.68	-88.83	-88.98	-89.13	-89.28	-89.43	-89.58	-89.73	-89.88	-90.03	-90.18	-90.33	-90.48	-90.63	-90.78	-90.93	-91.08	-91.23	-91.38	-91.53	-91.68	-91.83	-91.98	-92.13	-92.28	-92.43	-92.58	-92.73	-92.88	-93.03	-93.18	-93.33	-93.48	-93.63	-93.78	-93.93	-94.08	-94.23	-94.38	-94.53	-94.68	-94.83	-94.98	-95.13	-95.28	-95.43	-95.58	-95.73	-95.88	-96.03	-96.18	-96.33	-96.48	-96.63	-96.78	-96.93	-97.08	-97.23	-97.38	-97.53	-97.68	-97.83	-97.98	-98.13	-98.28	-98.43	-98.58	-98.73	-98.88	-99.03	-99.18	-99.33	-99.48	-99.63	-99.78	-99.93	-100.08	-100.23	-100.38	-100.53	-100.68	-100.83	-100.98	-101.13	-101.28	-101.43	-101.58	-101.73	-101.88	-102.03	-102.18	-102.33	-102.48	-102.63	-102.78	-102.93	-103.08	-103.23	-103.38	-103.53	-103.68	-103.83	-103.98	-104.13	-104.28	-104.43	-104.58	-104.73	-104.88	-105.03	-105.18	-105.33	-105.48	-105.63	-105.78	-105.93	-106.08	-106.23	-106.38	-106.53	-106.68	-106.83	-106.98	-107.13	-107.28	-107.43	-107.58	-107.73	-107.88	-108.03	-108.18	-108.33	-108.48	-108.63	-108.78	-108.93	-109.08	-109.23	-109.38	-109.53	-109.68	-109.83	-109.98	-110.13	-110.28	-110.43	-110.58	-110.73	-110.88	-111.03	-111.18	-111.33	-111.48	-111.63	-111.78	-111.93	-112.08	-112.23	-112.38	-112.53	-112.68	-112.83	-112.98	-113.13	-113.28	-113.43	-113.58	-113.73	-113.88	-114.03	-114.18	-114.33	-114.48	-114.63	-114.78	-114.93	-115.08	-115.23	-115.38	-115.53	-115.68	-115.83	-115.98	-116.13	-116.28	-116.43	-116.58	-116.73	-116.88	-117.03	-117.18	-117.33	-117.48	-117.63	-117.78	-117.93	-118.08	-118.23	-118.38	-118.53	-118.68	-118.83	-118.98	-119.13	-119.28	-119.43	-119.58	-119.73	-119.88	-120.03	-120.18	-120.33	-120.48	-120.63	-120.78	-120.93	-121.08	-121.23	-121.38	-121.53	-121.68	-121.83	-121.98	-122.13	-122.28	-122.43	-122.58	-122.73	-122.88	-123.03	-123.18	-123.33	-123.48	-123.63	-123.78	-123.93	-124.08	-124.23	-124.38	-124.53	-124.68	-124.83	-124.98	-125.13	-125.28	-125.43	-125.58	-125.73	-125.88	-126.03	-126.18	-126.33	-126.48	-126.63	-126.78	-126.93	-127.08	-127.23	-127.38	-127.53	-127.68	-127.83	-127.98	-128.13	-128.28	-128.43	-128.58	-128.73	-128.88	-129.03	-129.18	-129.33	-129.48	-129.63	-129.78	-129.93	-130.08	-130.23	-130.38	-130.53	-130.68	-130.83	-130.98	-131.13	-131.28	-131.43	-131.58	-131.73	-131.88	-132.03	-132.18	-132.33	-132.48	-132.63	-132.78	-132.93	-133.08	-133.23	-133.38	-133.53	-133.68	-133.83	-133.98	-134.13	-134.28	-134.43	-134.58	-134.73	-134.88	-135.03	-135.18	-135.33	-135.48	-135.63	-135.78	-135.93	-136.08	-136.23	-136.38	-136.53	-136.68	-136.83	-136.98	-137.13	-137.28	-137.43	-137.58	-137.73	-137.88	-138.03	-138.18	-138.33	-138.48	-138.63	-138.78	-138.93	-139.08	-139.23	-139.38	-139.53	-139.68	-139.83	-139.98	-140.13	-140.28	-140.43	-140.58	-140.73	-140.88	-141.03	-141.18	-141.33	-141.48	-141.63	-141.78	-141.93	-142.08	-142.23	-142.38	-142.53	-142.68	-142.83	-142.98	-143.13	-143.28	-143.43	-143.58	-143.73	-143.88	-144.03	-144.18	-144.33	-144.48	-144.63	-144.78	-144.93	-145.08	-145.23	-145.38	-145.53	-145.68	-145.83	-145.98	-146.13	-146.28	-146.43	-146.58	-146.73	-146.88	-147.03	-147.18	-147.33	-147.48	-147.63	-147.78	-147.93	-148.08	-148.23	-148.38	-148.53	-148.68	-148.83	-148.98	-149.13	-149.28	-149.43	-149.58	-149.73	-149.88	-150.03	-150.18	-150.33	-150.48	-150.63	-150.78	-150.93	-151.08	-151.23	-151.38	-151.53	-151.68	-151.83	-151.98	-152.13	-152.28	-152.43	-152.58	-152.73	-152.88	-153.03	-153.18	-153.33	-153.48	-153.63	-153.78	-153.93	-154.08	-154.23	-154.38	-154.53	-154.68	-154.83	-154.98	-155.13	-155.28	-155.43	-155.58	-155.73	-155.88	-156.03	-156.18	-156.33	-156.48	-156.63	-156.78	-156.93	-157.08	-157.23	-157.38	-157.53	-157.68	-157.83	-157.98	-158.13	-158.28	-158.43	-158.58	-158.73	-158.88	-159.03	-159.18	-159.33	-159.48	-159.63	-159.78	-159.93	-160.08	-160.23	-160.38	-160.53	-160.68	-160.83	-160.98	-161.13	-161.28	-161.43	-161.58	-161.73	-161.88	-162.03	-162.18	-162.33	-162.48	-162.63	-162.78	-162.93	-163.08	-163.23	-163.38	-163.53	-163.68	-163.83	-163.98	-164.13	-164.28	-164.43	-164.58	-164.73	-164.88	-165.03	-165.18	-165.33	-165.48	-165.63	-165.78	-165.93	-166.08	-166.23	-166.38	-166.53	-166.68	-166.83	-166.98	-167.13	-167.28	-167.43	-167.58	-167.73	-167.88	-168.03	-168.18	-168.33	-168.48	-168.63	-168.78	-168.93	-169.08	-169.23	-169.38	-169.53	-169.68	-169.83	-169.98	-170.13	-170.28	-170.43	-170.58	-170.73	-170.88	-171.03	-171.18	-171.33	-171.48	-171.63	-171.78	-171.93	-172.08	-172.23	-172.38	-172.53	-172.68	-172.83	-172.98	-173.13	-173.28	-173.43	-173.58	-173.73	-173.88	-174.03	-174.18	-174.33	-

0

RADIAL DISTANCE 136

PAGE 1

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60 61 62 63 64 65 66 67 68 69 70 71 72 73 74 75 76 77 78 79 80 81 82 83 84 85 86 87 88 89 90 91 92 93 94 95 96 97 98 99 100 101 102 103 104 105 106 107 108 109 110 111 112 113 114 115 116 117 118 119 120 121 122 123 124 125 126 127 128 129 130 131 132 133 134 135 136 137 138 139 140 141 142 143 144 145 146 147 148 149 150 151 152 153 154 155 156 157 158 159 160 161 162 163 164 165 166 167 168 169 170 171 172 173 174 175 176 177 178 179 180 181 182 183 184 185 186 187 188 189 190 191 192 193 194 195 196 197 198 199 200 201 202 203 204 205 206 207 208 209 210 211 212 213 214 215 216 217 218 219 220 221 222 223 224 225 226 227 228 229 230 231 232 233 234 235 236 237 238 239 240 241 242 243 244 245 246 247 248 249 250 251 252 253 254 255 256 257 258 259 260 261 262 263 264 265 266 267 268 269 270 271 272 273 274 275 276 277 278 279 280 281 282 283 284 285 286 287 288 289 290 291 292 293 294 295 296 297 298 299 300 301 302 303 304 305 306 307 308 309 310 311 312 313 314 315 316 317 318 319 320 321 322 323 324 325 326 327 328 329 330 331 332 333 334 335 336 337 338 339 340 341 342 343 344 345 346 347 348 349 350 351 352 353 354 355 356 357 358 359 360 361 362 363 364 365 366 367 368 369 370 371 372 373 374 375 376 377 378 379 380 381 382 383 384 385 386 387 388 389 390 391 392 393 394 395 396 397 398 399 400 401 402 403 404 405 406 407 408 409 410 411 412 413 414 415 416 417 418 419 420 421 422 423 424 425 426 427 428 429 430 431 432 433 434 435 436 437 438 439 440 441 442 443 444 445 446 447 448 449 450 451 452 453 454 455 456 457 458 459 460 461 462 463 464 465 466 467 468 469 470 471 472 473 474 475 476 477 478 479 480 481 482 483 484 485 486 487 488 489 490 491 492 493 494 495 496 497 498 499 500 501 502 503 504 505 506 507 508 509 510 511 512 513 514 515 516 517 518 519 520 521 522 523 524 525 526 527 528 529 530 531 532 533 534 535 536 537 538 539 540 541 542 543 544 545 546 547 548 549 550 551 552 553 554 555 556 557 558 559 560 561 562 563 564 565 566 567 568 569 570 571 572 573 574 575 576 577 578 579 580 581 582 583 584 585 586 587 588 589 590 591 592 593 594 595 596 597 598 599 600 601 602 603 604 605 606 607 608 609 610 611 612 613 614 615 616 617 618 619 620 621 622 623 624 625 626 627 628 629 630 631 632 633 634 635 636 637 638 639 640 641 642 643 644 645 646 647 648 649 650 651 652 653 654 655 656 657 658 659 660 661 662 663 664 665 666 667 668 669 670 671 672 673 674 675 676 677 678 679 680 681 682 683 684 685 686 687 688 689 690 691 692 693 694 695 696 697 698 699 700 701 702 703 704 705 706 707 708 709 710 711 712 713 714 715 716 717 718 719 720 721 722 723 724 725 726 727 728 729 730 731 732 733 734 735 736 737 738 739 740 741 742 743 744 745 746 747 748 749 750 751 752 753 754 755 756 757 758 759 760 761 762 763 764 765 766 767 768 769 770 771 772 773 774 775 776 777 778 779 780 781 782 783 784 785 786 787 788 789 790 791 792 793 794 795 796 797 798 799 800 801 802 803 804 805 806 807 808 809 810 811 812 813 814 815 816 817 818 819 820 821 822 823 824 825 826 827 828 829 830 831 832 833 834 835 836 837 838 839 840 841 842 843 844 845 846 847 848 849 850 851 852 853 854 855 856 857 858 859 860 861 862 863 864 865 866 867 868 869 870 871 872 873 874 875 876 877 878 879 880 881 882 883 884 885 886 887 888 889 890 891 892 893 894 895 896 897 898 899 900 901 902 903 904 905 906 907 908 909 910 911 912 913 914 915 916 917 918 919 920 921 922 923 924 925 926 927 928 929 930 931 932 933 934 935 936 937 938 939 940 941 942 943 944 945 946 947 948 949 950 951 952 953 954 955 956 957 958 959 960 961 962 963 964 965 966 967 968 969 970 971 972 973 974 975 976 977 978 979 980 981 982 983 984 985 986 987 988 989 990 991 992 993 994 995 996 997 998 999 1000 1001 1002 1003 1004 1005 1006 1007 1008 1009 1010 1011 1012 1013 1014 1015 1016 1017 1018 1019 1020 1021 1022 1023 1024 1025 1026 1027 1028 1029 1030 1031 1032 1033 1034 1035 1036 1037 1038 1039 1040 1

SC-10 PRESSURE LEVELS REDUCED AT STANDARD DAY

LET
FROM
CRA
AGLES

[illegible]

8153 194409

TEMP.	44.00
TEMP.	35.00
TEMP.	29.17
TEMP.	2.52

FOR A COMPRESSOR - PHASE 3B + 7C 10/25 9 DEG CLOSED 7/0 2/23/79

2000-2001

RAPID DISTANCE 156

DATE: 5/11/77

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

30.2 100.0 132. 162.4 170.3 (PUL)

ANGLES FROM LINE

0.0 70.0 90.0 110.0 130.0 150.0 170.0

54	-3.74	-2.72	-2.16	-4.63	0.966	1.395	3.352	4.928	6.132
53	-2.14	-2.06	-1.489	-4.63	4.795	1.076	3.109	5.055	6.102
52	-4.74	-3.27	-1.473	-4.69	1.891	1.918	5.597	5.134	7.089
51	-4.79	-1.78	-1.27	-4.24	1.025	3.830	4.731	4.469	5.064
50	-3.31	-2.46	-1.36	-4.28	1.479	3.544	4.677	4.534	5.771
49	-2.192	-1.82	1.393	-3.38	2.208	2.893	3.819	4.032	5.893
48	-2.194	-2.192	1.182	-2.99	3.201	3.374	3.662	5.923	5.478
47	-1.254	-1.26	-1.126	-4.06	1.826	2.139	3.536	5.081	6.341
46	1.284	-2.03	-1.191	-4.05	1.837	2.251	3.508	4.455	5.381
45	1.282	-2.03	-1.191	-3.81	1.739	2.922	4.112	5.215	4.496
44	-7.98	-1.489	1.329	-3.11	1.793	3.899	4.029	4.123	5.849
43	-3.123	-1.325	2.151	-2.49	2.327	3.348	4.130	3.914	2.940
42	3.384	1.766	1.378	-3.16	2.164	2.832	3.895	3.281	2.414
41	1.244	1.611	1.548	-2.66	2.422	2.649	4.071	2.815	1.927
40	3.431	1.183	1.308	-2.39	2.463	3.885	3.514	1.832	-3.82
39	2.977	1.106	1.041	-2.81	3.888	3.836	3.792	3.379	-1.31
38	3.353	1.595	1.182	-1.43	3.055	3.41	4.074	-1.83	-2.71
37	3.581	1.432	2.279	-1.74	2.983	3.394	3.789	-2.35	-2.71
36	-1.432	2.453	4.098	-3.06	3.088	4.879	2.819	-3.22	-1.83
35	-3.350	3.548	6.836	-0.25	3.844	2.179	1.968	-3.66	-3.33
34	1.474	2.329	2.416	0.25	3.599	2.753	3.587	-2.84	-3.03
33	1.423	2.445	1.648	1.783	2.884	5.572	2.119	-5.79	-8.99
32	-2.282	3.692	1.134	-2.21	3.876	3.438	3.839	-2.18	-1.32
31	-2.14	3.141	1.235	-3.69	1.629	5.668	3.737	-2.68	-3.69
30									

E111

AIRTEMP: 49.4
WINDSPEED: 15.4
BAR. PRESSURE: 29.17
H2O: Humidity: 2.21

FAA FA/200-PRESS: - PHASE 5B + DC 10VS 9 DEG CLOSED 7/2 2/23/72

20 K10 SP=0805.6

DATE: 3/05/70

RADIAL DISTANCE 150

PAGE 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLE FROM INLET															
	2.0	12.0	22.0	30.0	40.0	52.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0
50	70.89	72.10	74.88	76.24	79.70	75.70	75.70	77.51	77.51	79.16	82.75	127.9	127.9	127.9	127.9	127.9
63	70.89	72.10	73.88	76.48	79.81	75.81	75.81	77.40	77.40	79.80	83.1	128.1	128.1	128.1	128.1	128.1
80	69.89	70.93	73.88	76.83	79.93	76.77	76.77	78.22	78.22	80.81	82.35	127.9	127.9	127.9	127.9	127.9
100	72.39	74.26	75.03	77.13	76.86	77.09	77.09	78.64	78.64	80.89	82.35	127.9	127.9	127.9	127.9	127.9
125	77.07	78.74	76.94	73.27	77.76	78.91	78.91	82.01	82.01	80.16	81.33	127.9	127.9	127.9	127.9	127.9
160	69.32	70.56	73.72	69.81	74.39	74.91	74.91	78.48	78.48	76.33	76.84	127.9	127.9	127.9	127.9	127.9
200	68.89	69.26	69.74	68.96	71.31	72.09	72.09	75.77	75.77	73.24	73.75	127.9	127.9	127.9	127.9	127.9
250	79.41	81.07	69.46	68.56	70.92	71.33	71.33	73.58	73.58	75.24	75.75	127.9	127.9	127.9	127.9	127.9
315	73.44	75.51	72.86	69.62	75.72	77.50	77.50	79.80	79.80	81.76	82.35	127.9	127.9	127.9	127.9	127.9
400	76.71	78.42	76.33	73.35	78.71	80.40	80.40	81.88	81.88	83.1	83.1	127.9	127.9	127.9	127.9	127.9
500	78.62	79.76	78.38	75.79	79.96	81.37	81.37	83.96	83.96	85.73	86.3	127.9	127.9	127.9	127.9	127.9
630	73.88	75.64	77.18	72.38	77.14	77.38	77.38	79.29	79.29	81.33	81.33	127.9	127.9	127.9	127.9	127.9
800	77.72	79.82	75.08	71.73	77.47	78.38	78.38	81.62	81.62	83.77	84.3	127.9	127.9	127.9	127.9	127.9
1000	80.62	79.91	80.70	76.89	81.45	81.56	81.56	83.55	83.55	85.79	86.3	127.9	127.9	127.9	127.9	127.9
1250	81.91	80.68	80.32	76.34	81.39	81.78	81.78	83.44	83.44	85.75	86.3	127.9	127.9	127.9	127.9	127.9
1600	84.83	83.19	83.66	79.43	84.27	84.90	84.90	87.27	87.27	89.58	90.1	127.9	127.9	127.9	127.9	127.9
2000	85.36	82.79	83.06	80.89	83.25	84.27	84.27	86.82	86.82	89.02	89.5	127.9	127.9	127.9	127.9	127.9
2500	84.19	81.16	83.43	78.61	83.48	84.84	84.84	87.49	87.49	89.77	90.3	127.9	127.9	127.9	127.9	127.9
3150	81.31	82.86	86.64	79.29	86.24	87.56	87.56	89.87	89.87	91.49	92.0	127.9	127.9	127.9	127.9	127.9
4000	81.12	83.16	82.98	80.29	84.93	84.84	84.84	87.30	87.30	89.49	90.0	127.9	127.9	127.9	127.9	127.9
5000	83.93	85.50	86.33	87.86	91.72	90.83	90.83	92.24	92.24	93.81	94.3	127.9	127.9	127.9	127.9	127.9
6300	86.56	88.37	86.86	83.88	87.78	91.33	91.33	93.18	93.18	95.05	95.6	127.9	127.9	127.9	127.9	127.9
8000	88.87	91.35	87.59	83.73	89.63	90.93	90.93	92.23	92.23	93.82	94.3	127.9	127.9	127.9	127.9	127.9
10000	84.92	90.78	86.64	83.58	88.89	90.82	90.82	91.49	91.49	92.73	93.2	127.9	127.9	127.9	127.9	127.9
MEASURED OASPL	96.87	98.25	98.88	94.82	99.74	100.1	100.1	100.6	100.6	95.33	95.83	141.6	141.6	141.6	141.6	141.6
CALCULATED OASPL	95.89	97.33	97.78	94.52	99.49	99.9	99.9	100.4	100.4	94.41	94.9	141.6	141.6	141.6	141.6	141.6
PNDB	106.12	112.9	112.9	106.7	114.6	114.6	114.6	115.4	115.4	106.6	106.9	141.6	141.6	141.6	141.6	141.6

E112

04PH11 159.8

AMBIENT TEMP 44.00
WET-BULB TEMP 35.00
BAR. PRESSURE 29.17
ABS. HUMIDITY 2.621

FAA FAX/COMPRESSOR - PHASE 3B + 3C IGVS 9 DEG CLOSED Y/D 2/23/70

REV 15 1-1-100 SPEED 6000

RADIAL DISTANCE 150

DATE: 3/05/72

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET															
	1.2	10.2	25.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0
50	-3.64	-2.39	-3.23	-4.32	-1.15	1.19	1.19	2.97	4.01	0.19						
63	-3.86	-2.56	-3.83	-4.97	-1.33	1.33	1.33	3.27	4.31	0.59						
80	-4.76	-3.62	-4.73	-5.86	-2.11	2.11	2.11	4.03	5.07	1.42						
100	-5.16	-4.20	-5.16	-6.29	-2.40	2.40	2.40	4.32	5.36	1.70						
125	-5.59	-4.78	-5.59	-6.72	-2.69	2.69	2.69	4.61	5.65	1.99						
140	-5.48	-4.45	-5.48	-6.61	-2.58	2.58	2.58	4.50	5.54	1.88						
160	-5.42	-4.40	-5.42	-6.55	-2.56	2.56	2.56	4.48	5.52	1.86						
200	-5.25	-4.16	-5.25	-6.38	-2.43	2.43	2.43	4.35	5.39	1.73						
250	-5.12	-4.03	-5.12	-6.25	-2.32	2.32	2.32	4.22	5.26	1.62						
315	-5.00	-3.91	-5.00	-6.12	-2.21	2.21	2.21	4.10	5.14	1.51						
400	-4.88	-3.79	-4.88	-6.00	-2.10	2.10	2.10	3.98	5.02	1.40						
500	-4.76	-3.67	-4.76	-5.88	-2.00	2.00	2.00	3.86	4.90	1.29						
630	-4.64	-3.56	-4.64	-5.76	-1.89	1.89	1.89	3.74	4.78	1.18						
800	-4.52	-3.45	-4.52	-5.64	-1.78	1.78	1.78	3.62	4.66	1.07						
1000	-4.40	-3.34	-4.40	-5.52	-1.67	1.67	1.67	3.50	4.54	0.96						
1250	-4.28	-3.23	-4.28	-5.40	-1.56	1.56	1.56	3.38	4.42	0.85						
1600	-4.16	-3.12	-4.16	-5.28	-1.45	1.45	1.45	3.26	4.30	0.74						
2000	-4.04	-3.01	-4.04	-5.16	-1.34	1.34	1.34	3.14	4.18	0.63						
2500	-3.92	-2.90	-3.92	-5.04	-1.23	1.23	1.23	3.02	4.06	0.52						
3150	-3.80	-2.79	-3.80	-4.92	-1.12	1.12	1.12	2.90	3.94	0.41						
4000	-3.68	-2.68	-3.68	-4.80	-1.01	1.01	1.01	2.78	3.82	0.30						
5000	-3.56	-2.57	-3.56	-4.68	-0.90	0.90	0.90	2.66	3.70	0.19						
6300	-3.44	-2.46	-3.44	-4.56	-0.79	0.79	0.79	2.54	3.58	0.08						
8000	-3.32	-2.35	-3.32	-4.44	-0.68	0.68	0.68	2.42	3.46	-0.03						
10000	-3.20	-2.24	-3.20	-4.32	-0.57	0.57	0.57	2.30	3.34	-0.14						

E113

AMBIENT TEMP 44.00
WET-BULB TEMP 35.00
BAR. PRESSURE 29.17
ASS. HUMIDITY 2.021

FAA FAN/COMPRESSOR - PHASE 50 - 5C 10VS 9 DEG CLOSED T/D 2/23/79

RUN=15 RQ=100 SPEED=6000

0

UNIT 3/11/77

RADIAL DISTANCE 150

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

PRF	2	12.0	2	32	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	(PUL)
50	76.94	73.03	75.32	70.75	76.93	70.94	70.99	80.96	84.51											180.9
63	76.44	73.09	74.97	70.66	76.36	77.26	78.94	80.93	84.88											180.9
80	76.51	72.39	74.63	70.21	76.71	77.48	79.51	80.78	83.44											180.3
100	77.39	73.05	75.74	71.33	77.28	78.32	80.51	81.46	83.91											180.2
125	81.49	70.95	80.20	73.73	77.39	82.11	82.06	81.99	86.30											180.7
150	77.72	71.97	74.99	70.12	76.15	78.70	77.44	78.42	79.34											180.9
200	78.21	68.85	71.34	68.11	73.81	73.73	74.56	75.76	74.45											180.5
250	78.56	69.21	68.58	65.98	72.08	71.41	74.08	74.55	73.41											180.1
315	81.85	70.84	74.87	69.39	73.96	77.49	79.58	82.24	79.38											180.9
400	83.82	74.09	78.86	72.89	79.69	81.31	82.57	84.87	82.43											180.9
500	86.18	80.19	81.49	76.24	81.15	82.33	82.96	82.95	82.53											184.3
630	83.16	77.48	79.65	75.26	79.58	80.43	79.95	80.85	79.73											181.9
800	85.05	75.51	77.85	73.22	80.83	79.31	78.91	78.84	77.47											181.8
1000	86.82	79.07	81.47	76.74	82.83	82.14	83.52	81.43	80.45											184.7
1250	86.93	80.34	80.00	76.08	82.25	82.89	83.39	82.84	79.82											180.7
1600	88.43	82.06	83.51	79.35	83.10	84.65	85.74	80.52	88.18											180.9
2000	88.37	82.88	82.23	79.59	85.16	83.86	84.88	79.24	78.79											184.6
2500	88.64	80.79	82.41	78.33	86.40	83.88	83.73	77.33	77.41											180.8
3150	88.11	82.84	87.85	79.77	86.67	87.39	83.95	78.96	80.06											180.1
4000	80.99	93.12	92.59	87.81	92.35	91.89	90.93	85.21	85.86											144.4
5000	94.51	96.22	94.85	80.25	95.83	92.79	93.56	87.34	86.08											144.9
6300	98.44	85.38	87.78	83.23	86.87	89.16	86.17	82.13	82.39											141.1
8000	98.89	88.57	88.84	82.82	88.82	89.83	87.88	81.88	82.91											143.8
10000	91.49	91.19	90.81	84.32	91.83	91.58	91.58	83.88	94.52											140.8
MEASURED CASPL	181.4	180.1	99.73	94.49	108.3	99.94	99.94	99.93	99.91											
CALCULATED CASPL	188.4	99.85	99.78	94.15	99.08	99.71	99.41	95.48	94.44											
P108	184.8	114.3	114.1	186.6	116.9	113.7	113.6	189.1	189.6											

GAPHLI

AMBIENT TEMP. 44.42
 EXHAUST TEMP. 35.80
 FUEL PRESSURE 29.17
 AIR FUEL RATIO 2.821

FAA FA-700 COMPRESSOR - PHASE 5B + 5C 100V 9 DEG CLOSED T/D 2/23/70

RUSSO R038190 SPEED=7100

DATE: 5/11/72

RADIAL DISTANCE 150

PAGE: 2

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ.	ANGLES FROM INLET									
	0°	12°	24°	36°	48°	60°	72°	84°	96°	108°
50	3799	-3.13	-5.41	7736	7788	2737	4796	8347		
63	2559	-2.62	-1.94	-5.85	-1.41	7510	2430	4422	8329	
80	1921	-3.63	-1.29	-5.23	7834	1354	3486	4426	7723	
100	1907	-3.04	-1.93	-5.35	7913	1331	3426	4772	7219	
125	2274	-3.26	1.824	-5.43	-1.59	2339	2678	2887	7123	
160	3392	-2.97	2879	-4.22	1.806	2361	3408	4804	5495	
200	6149	-3.33	-3.39	-3.77	1.136	1.837	2678	3474	2471	
250	7182	-2.17	-2.68	-5.39	6838	8287	2424	3168	4832	
315	5429	-5.78	-1.26	-6.73	-2.28	1.325	3449	6111	3434	
400	5089	-4.11	-1.93	-6.12	6897	2387	3461	5468	3439	
500	5811	-3.78	1.181	-4.14	7782	1493	2488	1477	2489	
630	5267	-4.77	1.091	-2.68	1.617	2473	2482	2487	1477	
800	7371	-2.17	1.711	-3.96	2.349	1.682	1.233	1.162	-4.82	
1000	6340	-1.89	1.935	-3.74	1.956	1.683	3427	1.985	-4.81	
1250	6762	-1.829	1.930	-3.39	1.885	1.988	3481	-1.127	-1.842	
1600	6483	-4.828	1.882	-2.58	3.768	2.822	2.913	-1.01	-2.488	
2000	8413	-1.338	3.738	-2.36	3.204	1.911	2.928	-3.72	-3.16	
2500	6418	-1.533	3.395	-2.69	2.388	2.784	2.418	-3.68	-3.11	
3150	37392	-1.285	3.932	-3.35	3.943	4.223	3.888	-4.16	-2.43	
4000	-1.698	4.832	3.111	-2.07	3.464	2.769	1.751	-3.07	-3.22	
5000	1831	4.752	3.435	-2.69	3.982	1.351	2.112	-4.11	-3.37	
6300	5.616	2.683	2.741	-1.81	1.832	4.113	1.126	-4.92	-4.64	
8000	4.114	2.396	2.884	-3.86	2.842	3.888	1.878	-4.33	-3.86	
10000	3.247	2.155	2.966	-3.92	2.789	3.337	3.136	-4.39	-3.72	

E115

AMBIENT TEMP. 44.32
WET-BULB TEMP. 35.02
BAR. PRESS. 29.17
ASS. HUMIDITY 2.321

FAA FAN/COMPRESSOR - PHASE 58 - DC IGVS 9 DEG CLOSED Y/D 2/23/78

RJ-415 R038159 SPEED 047100

RADIAL DISTANCE 150

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET									
	1.7	12.2	2.7	32.2	42.7	52.7	62.7	72.7	82.7	92.7
50	71.61	73.53	75.68	71.42	77.34	77.39	79.40	81.57	85.34	189.7
63	73.93	74.69	75.92	72.44	77.47	78.38	80.26	82.41	86.12	138.7
80	71.57	72.82	75.74	71.03	77.69	78.30	80.19	81.74	84.84	138.1
100	71.79	73.77	76.26	72.37	77.97	79.18	81.86	82.35	84.86	138.0
125	72.82	74.45	76.54	73.04	78.52	85.77	85.88	88.92	88.33	137.9
160	72.84	72.18	75.19	78.09	78.31	77.25	78.13	79.89	79.87	137.9
200	69.32	68.96	71.44	68.11	73.85	74.31	74.08	75.52	74.57	134.5
250	68.72	69.59	69.23	65.98	71.67	73.73	74.71	76.75	77.67	134.7
315	75.52	72.73	74.63	71.25	77.13	78.49	81.14	83.87	82.53	138.4
400	81.13	76.77	73.19	75.35	80.89	82.72	83.39	84.89	84.84	138.0
500	79.46	80.04	80.60	75.70	81.49	82.93	84.23	84.97	84.33	138.2
630	74.95	77.39	78.73	73.72	77.93	79.53	81.34	81.89	78.97	131.5
800	79.55	75.93	78.59	74.58	79.28	81.46	80.67	79.91	88.14	131.5
1000	79.54	80.71	80.48	76.83	82.19	82.18	84.35	81.59	88.94	131.6
1250	79.59	80.89	80.39	76.91	81.92	81.18	82.13	80.55	79.87	130.9
1600	81.84	81.82	82.36	79.73	83.70	83.86	84.99	81.24	79.79	130.8
2000	81.82	80.36	80.91	78.94	83.77	82.62	83.46	79.94	77.91	130.3
2500	80.74	78.82	80.95	77.95	82.87	82.17	81.87	79.91	75.47	130.3
3150	79.13	81.24	85.53	79.42	85.48	85.96	88.88	81.81	79.30	130.4
4000	86.81	98.33	89.13	86.94	98.57	89.19	87.89	84.89	83.80	148.8
5000	94.59	98.42	92.63	93.41	97.86	93.34	95.85	88.95	90.06	148.6
6300	85.17	84.77	89.74	84.31	86.48	87.43	86.38	82.11	79.48	148.5
8000	82.99	87.79	87.88	83.34	87.57	88.33	86.71	82.20	81.46	148.4
10000	85.29	93.39	87.28	89.54	88.76	92.41	91.94	88.16	83.83	148.4

MEASURED GASPL
CALCULATED GASPL
PNOB

GAPHL1

AIR-BULB TEMP. 44.20
AIR-BULB TEMP. 35.00
BAR. PRESSURE 29.11
ABS. HUMIDITY 2.426

FAN R.P. /COMPRESS R = PHASE 5B + 5C 1GV5 9 DEG CLOSED T/D 2/23/77

RUN:15 RUN:19, SPB:U#7380

RADIAL DISTANCE 190

STRESS, PRESSURE LEVELS, DIRECTIVITY INDEX

ANGLES FROM TABLE

[illegible]

62	10-11-58	RECEIVED	44,32
61	10-11-58	RECEIVED	35,90
60	10-11-58	RECEIVED	20,44

2000 FA/COMPRESSOR - PHASE 90 - 50 TONS 2 LEU CLOSED T/D 2/23/70

3. -5 903019- SPEED007392

O

RADIAL DISTANCE 150

DATE: 3/21/70

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

PRE	17.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
52	72.93	75.23	81.26	72.59	78.05	78.22	80.49	82.97	85.04	87.11	89.18	91.25	93.32	95.39	97.46	99.53	101.60	103.67	105.74	107.81
54	76.99	78.43	81.23	74.47	80.11	80.38	82.44	84.68	86.11	88.18	90.25	92.32	94.39	96.46	98.53	100.60	102.67	104.74	106.81	108.88
56	73.23	74.74	79.05	72.59	78.95	79.77	81.52	83.55	85.54	87.53	89.52	91.51	93.50	95.49	97.48	99.47	101.46	103.45	105.44	107.43
58	72.83	76.27	79.23	73.45	79.12	79.92	82.18	84.78	86.17	88.16	90.15	92.14	94.13	96.12	98.11	100.10	102.09	104.08	106.07	108.06
60	77.88	77.92	79.18	77.57	82.08	82.66	84.68	87.06	88.07	89.08	91.09	93.10	95.11	97.12	99.13	101.14	103.15	105.16	107.17	109.18
62	72.86	74.84	77.31	72.34	77.63	78.67	79.61	80.51	81.24	82.07	83.00	84.03	85.06	86.09	87.12	88.15	89.18	90.21	91.24	92.27
64	78.44	78.66	75.37	69.39	74.15	75.31	75.76	77.14	78.63	80.12	81.61	83.10	84.59	86.08	87.57	89.06	90.55	92.04	93.53	95.02
66	59.94	69.81	73.67	66.37	73.32	73.89	75.54	76.95	78.61	80.10	81.59	83.08	84.57	86.06	87.55	89.04	90.53	92.02	93.51	95.00
68	74.47	72.78	74.93	71.94	78.42	79.55	81.72	83.87	85.36	87.11	88.86	90.61	92.36	94.11	95.86	97.61	99.36	101.11	102.86	104.61
70	77.37	75.92	79.18	75.38	82.88	83.19	85.25	87.34	88.31	89.28	90.25	91.22	92.19	93.16	94.13	95.10	96.07	97.04	98.01	99.98
72	77.67	79.23	81.46	77.82	82.84	83.62	84.52	85.67	86.51	87.35	88.19	89.03	89.87	90.71	91.55	92.39	93.23	94.07	94.91	95.75
74	75.25	78.99	78.66	74.29	79.84	80.28	81.49	83.38	84.36	85.34	86.32	87.30	88.28	89.26	90.24	91.22	92.20	93.18	94.16	95.14
76	76.28	76.62	78.35	75.44	80.30	83.32	81.58	83.21	84.91	86.61	88.31	90.01	91.71	93.41	95.11	96.81	98.51	100.21	101.91	103.61
78	78.89	75.64	82.16	77.28	82.31	82.59	84.78	86.82	88.92	90.92	92.92	94.92	96.92	98.92	100.92	102.92	104.92	106.92	108.92	110.92
80	78.47	81.87	82.12	78.41	83.28	82.39	82.75	83.29	83.87	84.45	85.03	85.61	86.19	86.77	87.35	87.93	88.51	89.09	89.67	90.25
82	82.19	88.95	82.13	79.23	83.97	83.98	84.24	84.53	84.83	85.13	85.43	85.73	86.03	86.33	86.63	86.93	87.23	87.53	87.83	88.13
84	82.69	79.56	88.31	78.29	83.57	82.16	82.35	82.54	82.73	82.92	83.11	83.30	83.49	83.68	83.87	84.06	84.25	84.44	84.63	84.82
86	75.01	88.59	88.93	77.77	83.58	81.63	80.38	78.38	75.67	72.96	70.25	67.54	64.83	62.12	59.41	56.70	53.99	51.28	48.57	45.86
88	77.79	82.12	84.66	79.34	85.28	84.94	81.59	88.42	79.12	70.12	61.12	52.12	43.12	34.12	25.12	16.12	7.12	-2.12	-13.12	-24.12
90	82.08	89.19	88.39	85.37	88.29	87.86	86.77	85.68	84.59	83.50	82.41	81.32	80.23	79.14	78.05	76.96	75.87	74.78	73.69	72.60
92	93.22	108.5	94.38	93.85	93.62	92.44	94.93	98.68	95.24	91.79	88.34	84.89	81.44	77.99	74.54	71.09	67.64	64.19	60.74	57.29
94	84.16	84.32	88.28	83.29	83.35	87.28	83.83	81.39	79.95	78.51	77.07	75.63	74.19	72.75	71.31	69.87	68.43	66.99	65.55	64.11
96	81.05	87.17	87.06	82.69	86.87	87.58	85.34	81.51	81.63	81.75	81.87	81.99	82.11	82.23	82.35	82.47	82.59	82.71	82.83	82.95
98	85.36	92.81	87.83	86.38	89.49	89.39	92.85	83.38	84.85	86.32	87.79	89.26	90.73	92.20	93.67	95.14	96.61	98.08	99.55	101.02
100	96.45	101.8	99.33	96.41	99.22	99.39	100.1	99.28	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1	100.1
102	93.98	102.1	98.62	96.39	98.61	98.61	99.41	97.53	97.68	97.68	97.68	97.68	97.68	97.68	97.68	97.68	97.68	97.68	97.68	97.68
104	111.2	116.7	113.3	111.3	113.4	113.8	114.1	114.2	114.3	114.4	114.5	114.6	114.7	114.8	114.9	115.0	115.1	115.2	115.3	115.4

MEASURED CASPL
CALCULATED CASPL
MCS

0APHL1 192.6

AMBIENT TEMP. 44.32
WET-BULB TEMP. 35.02
BAR. PRESSURE 29.11
ABS. HUMIDITY 2.826

FAA FA/COMPRESS - PHASE 5B + DC 10VS 9 DEG CLOSED T/R 2/23/70

RL 215 2012541 SPEED=7500

RADIAL DISTANCE 100

DATE: 5/11/70

PAGE: 1

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET									
	0°	15°	30°	45°	60°	75°	90°	105°	120°	135°
50	-5.19	-3.89	2.95	-5.73	-2.73	-1.97	2.10	4.57	8.13	11.53
63	-2.88	-1.44	1.58	-5.39	-2.50	-1.48	2.50	4.80	8.13	11.53
80	-5.12	-3.69	1.81	-8.89	-5.12	-3.34	3.16	5.18	8.13	11.53
100	-5.69	-2.27	1.80	-5.09	-5.07	-3.67	3.67	5.23	7.63	10.34
125	-4.49	-4.49	-3.19	-4.48	-3.19	-4.29	4.29	5.47	7.63	10.34
160	-3.89	-4.99	-2.79	-3.89	-2.79	-3.89	3.89	4.87	7.63	10.34
200	-2.88	-2.88	-2.88	-2.88	-2.88	-2.88	2.88	4.73	7.63	10.34
250	-2.88	-2.88	-2.88	-2.88	-2.88	-2.88	2.88	4.73	7.63	10.34
315	-2.88	-2.88	-2.88	-2.88	-2.88	-2.88	2.88	4.73	7.63	10.34
400	-2.88	-2.88	-2.88	-2.88	-2.88	-2.88	2.88	4.73	7.63	10.34
500	-2.88	-2.88	-2.88	-2.88	-2.88	-2.88	2.88	4.73	7.63	10.34
630	-2.88	-2.88	-2.88	-2.88	-2.88	-2.88	2.88	4.73	7.63	10.34
800	-2.88	-2.88	-2.88	-2.88	-2.88	-2.88	2.88	4.73	7.63	10.34
1000	-2.88	-2.88	-2.88	-2.88	-2.88	-2.88	2.88	4.73	7.63	10.34
1250	-2.88	-2.88	-2.88	-2.88	-2.88	-2.88	2.88	4.73	7.63	10.34
1600	-2.88	-2.88	-2.88	-2.88	-2.88	-2.88	2.88	4.73	7.63	10.34
2000	-2.88	-2.88	-2.88	-2.88	-2.88	-2.88	2.88	4.73	7.63	10.34
2500	-2.88	-2.88	-2.88	-2.88	-2.88	-2.88	2.88	4.73	7.63	10.34
3150	-2.88	-2.88	-2.88	-2.88	-2.88	-2.88	2.88	4.73	7.63	10.34
4000	-2.88	-2.88	-2.88	-2.88	-2.88	-2.88	2.88	4.73	7.63	10.34
5000	-2.88	-2.88	-2.88	-2.88	-2.88	-2.88	2.88	4.73	7.63	10.34
6300	-2.88	-2.88	-2.88	-2.88	-2.88	-2.88	2.88	4.73	7.63	10.34
8000	-2.88	-2.88	-2.88	-2.88	-2.88	-2.88	2.88	4.73	7.63	10.34
10000	-2.88	-2.88	-2.88	-2.88	-2.88	-2.88	2.88	4.73	7.63	10.34

E119

AMBIENT TEMP: 45.00
WET-BULB TEMP: 35.00
BAR. PRESSURE: 29.11
ADS. HUMIDITY: 2.826

FAA FAN/COMPRESSOR - PHASE 5B - 5C 10VS 9 DEG CLOSED T/D 2/23/70

RU=15 RUJ=19: SPEED=7500

RADIAL DISTANCE 132

DATE: 3/11/77

PAGE: 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ.	ANGLES FROM INLET									
	7.5	17.5	27.5	37.5	47.5	57.5	67.5	77.5	87.5	97.5
50	73.68	75.64	77.65	74.61	79.67	88.68	82.45	84.88	89.11	138.9
63	76.82	78.27	79.21	75.36	82.63	81.68	83.78	85.92	89.69	138.1
80	74.37	75.77	77.99	74.59	80.53	81.46	83.42	85.69	88.88	133.9
100	73.69	76.91	78.48	74.97	80.67	81.69	83.94	85.77	88.52	133.4
125	81.94	82.99	79.26	78.19	86.11	85.20	87.78	86.52	87.82	130.4
160	73.64	74.88	77.63	73.64	78.19	88.85	81.73	82.87	84.74	131.1
200	72.84	71.39	74.64	70.32	75.32	76.53	77.61	79.53	77.89	127.3
250	71.69	72.46	72.81	69.55	74.27	76.65	77.50	78.85	79.57	127.1
315	76.27	74.39	77.26	73.78	79.59	88.67	82.89	85.89	83.42	132.2
400	86.14	78.91	81.79	77.99	86.85	88.93	87.82	86.48	88.28	136.4
500	78.37	82.27	86.99	78.36	83.42	84.73	86.26	87.91	85.86	136.7
630	76.42	80.22	88.86	75.79	88.39	85.96	82.66	82.54	81.63	132.7
800	79.63	76.82	79.93	75.59	84.18	88.88	81.53	88.85	81.16	132.9
1000	78.84	81.92	83.32	80.52	84.94	88.71	83.64	83.67	82.72	135.6
1250	79.69	84.48	84.79	78.98	82.94	83.67	83.38	82.83	88.89	138.3
1600	82.77	84.99	87.87	80.32	85.16	88.86	84.93	81.69	82.43	136.9
2000	82.76	86.67	84.48	81.82	84.21	82.86	83.35	88.81	78.23	136.3
2500	79.51	83.14	81.66	78.97	82.85	81.98	88.52	78.51	73.65	133.9
3150	72.68	81.95	84.78	79.42	84.14	84.98	81.35	88.22	78.89	135.6
4000	81.17	86.52	89.32	85.86	87.69	87.68	86.48	83.13	81.56	140.8
5000	94.66	97.61	97.26	97.28	98.76	95.87	96.33	89.29	98.22	138.1
6300	85.35	84.41	85.82	84.88	85.39	87.39	86.28	82.19	79.92	139.6
8000	83.88	87.18	87.22	84.82	88.84	88.82	86.83	82.72	82.89	141.6
10000	87.31	94.36	89.56	89.84	92.95	93.22	98.13	83.61	83.44	147.5

MEASURED GASPL	97.89	131.9	108.7	98.89	101.9	100.8	101.3	99.82	101.3
CALCULATED GASPL	97.36	130.8	108.5	99.11	101.7	100.4	102.5	98.94	98.96
PNDS	112.5	113.4	113.6	114.1	116.7	114.8	115.3	118.9	111.1

OAPHL: 133.9

A BIEY TEMP	45.38
NET-BOULB TEMP	35.88
EAR, PRESSURE	29.11
AES, HUMIDITY	2.825

FAA FA /COMPRESSOR - PHASE 56 - SC 10VS 9 DEG CLOSED Y/R 2/23/78

Rolls-Royce	HJ4199	SPEED 7760
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DATE: 3/25/72

RADIAL DISTANCE 100

PAGE 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

FREQ	5.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
10	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
20	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
30	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
40	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
50	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
60	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
70	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
80	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
90	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
100	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
120	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
140	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
160	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
180	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
200	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
250	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
315	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
400	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
500	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
630	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
800	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
1000	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
1250	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
1600	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
2000	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
2500	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
3150	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
4000	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
5000	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
6300	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
8000	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64
10000	75.45	75.96	77.32	78.30	79.11	80.57	82.00	83.40	84.78	86.13	87.45	88.74	89.99	91.20	92.38	93.52	94.62	95.68	96.70	97.69	98.64

E122

MEASURED OASPL
CALCULATED OASPL
PNDB

0.0200 100.0

AMBIENT TEMP 45.00
WET-BULB TEMP 35.40
BAR. PRESSURE 29.11
ABS. HUMIDITY 2.700

FAX FAN/COMPRESSOR - PHASE 50 - 50 TQVS 9 DEG CLOSED Y/D 2/23/70

RUN=15 RUG=193 SPEED=7000

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	12.0	24.0	36.0	48.0	60.0	72.0	84.0	96.0	108.0	120.0	132.0	144.0	156.0	168.0	180.0	(DNL)
32	-5.05	-4.14	-3.37	-2.71	-2.19	-1.84	-1.56	-1.36	-1.20	-1.08	-0.97	-0.88	-0.80	-0.73	-0.67	3.287
63	-4.76	-3.95	-3.27	-2.61	-2.09	-1.74	-1.46	-1.26	-1.10	-0.98	-0.89	-0.80	-0.72	-0.65	-0.59	3.327
125	-6.44	-5.63	-4.95	-4.29	-3.77	-3.25	-2.73	-2.21	-1.79	-1.37	-1.05	-0.73	-0.41	-0.09	0.338	3.362
250	-8.12	-7.31	-6.63	-5.97	-5.35	-4.73	-4.11	-3.49	-2.87	-2.25	-1.63	-1.01	-0.39	0.23	0.85	3.397
500	-10.80	-10.00	-9.32	-8.66	-8.04	-7.42	-6.80	-6.18	-5.56	-4.94	-4.32	-3.70	-3.08	-2.46	-1.84	3.432
1000	-14.41	-13.61	-12.93	-12.27	-11.65	-11.03	-10.41	-9.79	-9.17	-8.55	-7.93	-7.31	-6.69	-6.07	-5.45	3.467
2000	-18.02	-17.22	-16.54	-15.88	-15.26	-14.64	-14.02	-13.40	-12.78	-12.16	-11.54	-10.92	-10.30	-9.68	-9.06	3.502
4000	-21.63	-20.83	-20.15	-19.49	-18.87	-18.25	-17.63	-17.01	-16.39	-15.77	-15.15	-14.53	-13.91	-13.29	-12.67	3.537
8000	-25.24	-24.44	-23.76	-23.10	-22.48	-21.86	-21.24	-20.62	-20.00	-19.38	-18.76	-18.14	-17.52	-16.90	-16.28	3.572
16000	-28.85	-28.05	-27.37	-26.71	-26.09	-25.47	-24.85	-24.23	-23.61	-23.00	-22.38	-21.76	-21.14	-20.52	-19.90	3.607

E12B

AMBIENT TEMP 45.00
 RET-B LG TEMP 38.00
 BTR PRESSURE 29.11
 ABS HUMIDITY 2.708

FAA FAN/COMPRESSOR - PHASE 58 - 52 INVS 9 DRQ CLOSED T/D 8/23/70

RUN#15 RDG#193 SPEED#7988

DATE: 6/24/70

PAGE 1

RADIAL DISTANCE 128

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

	17.4	20.0	30.0	40.0	52.7	67.8	76.8	82.8	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0	190.0	200.0
100	74.01	76.51	78.29	79.78	80.74	81.08	81.33	81.58	81.83	82.08	82.33	82.58	82.83	83.08	83.33	83.58	83.83	84.08	84.33	84.58
101	75.38	77.97	79.61	81.14	82.14	82.44	82.69	82.94	83.19	83.44	83.69	83.94	84.19	84.44	84.69	84.94	85.19	85.44	85.69	85.94
102	76.74	79.33	80.97	82.50	83.50	83.80	84.05	84.30	84.55	84.80	85.05	85.30	85.55	85.80	86.05	86.30	86.55	86.80	87.05	87.30
103	78.10	80.69	82.33	83.86	84.86	85.16	85.41	85.66	85.91	86.16	86.41	86.66	86.91	87.16	87.41	87.66	87.91	88.16	88.41	88.66
104	79.46	82.05	83.69	85.22	86.22	86.52	86.77	87.02	87.27	87.52	87.77	88.02	88.27	88.52	88.77	89.02	89.27	89.52	89.77	90.02
105	80.82	83.41	85.05	86.58	87.58	87.88	88.13	88.38	88.63	88.88	89.13	89.38	89.63	89.88	90.13	90.38	90.63	90.88	91.13	91.38
106	82.18	84.77	86.41	87.94	88.94	89.24	89.49	89.74	89.99	90.24	90.49	90.74	90.99	91.24	91.49	91.74	91.99	92.24	92.49	92.74
107	83.54	86.13	87.77	89.30	90.30	90.60	90.85	91.10	91.35	91.60	91.85	92.10	92.35	92.60	92.85	93.10	93.35	93.60	93.85	94.10
108	84.90	87.49	89.13	90.66	91.66	91.96	92.21	92.46	92.71	92.96	93.21	93.46	93.71	93.96	94.21	94.46	94.71	94.96	95.21	95.46
109	86.26	88.85	90.49	92.02	93.02	93.32	93.57	93.82	94.07	94.32	94.57	94.82	95.07	95.32	95.57	95.82	96.07	96.32	96.57	96.82
110	87.62	90.21	91.85	93.38	94.38	94.68	94.93	95.18	95.43	95.68	95.93	96.18	96.43	96.68	96.93	97.18	97.43	97.68	97.93	98.18
111	88.98	91.57	93.21	94.74	95.74	96.04	96.29	96.54	96.79	97.04	97.29	97.54	97.79	98.04	98.29	98.54	98.79	99.04	99.29	99.54
112	90.34	92.93	94.57	96.10	97.10	97.40	97.65	97.90	98.15	98.40	98.65	98.90	99.15	99.40	99.65	99.90	100.15	100.40	100.65	100.90
113	91.70	94.29	95.93	97.46	98.46	98.76	99.01	99.26	99.51	99.76	100.01	100.26	100.51	100.76	101.01	101.26	101.51	101.76	102.01	102.26
114	93.06	95.65	97.29	98.82	99.82	100.12	100.37	100.62	100.87	101.12	101.37	101.62	101.87	102.12	102.37	102.62	102.87	103.12	103.37	103.62
115	94.42	97.01	98.65	100.18	101.18	101.48	101.73	101.98	102.23	102.48	102.73	102.98	103.23	103.48	103.73	103.98	104.23	104.48	104.73	104.98
116	95.78	98.37	99.91	101.44	102.44	102.74	102.99	103.24	103.49	103.74	103.99	104.24	104.49	104.74	104.99	105.24	105.49	105.74	105.99	106.24
117	97.14	99.73	101.37	102.90	103.90	104.20	104.45	104.70	104.95	105.20	105.45	105.70	105.95	106.20	106.45	106.70	106.95	107.20	107.45	107.70
118	98.50	101.09	102.73	104.26	105.26	105.56	105.81	106.06	106.31	106.56	106.81	107.06	107.31	107.56	107.81	108.06	108.31	108.56	108.81	109.06
119	99.86	102.45	104.09	105.62	106.62	106.92	107.17	107.42	107.67	107.92	108.17	108.42	108.67	108.92	109.17	109.42	109.67	109.92	110.17	110.42
120	101.22	103.81	105.45	106.98	107.98	108.28	108.53	108.78	109.03	109.28	109.53	109.78	110.03	110.28	110.53	110.78	111.03	111.28	111.53	111.78
121	102.58	105.17	106.81	108.34	109.34	109.64	109.89	110.14	110.39	110.64	110.89	111.14	111.39	111.64	111.89	112.14	112.39	112.64	112.89	113.14
122	103.94	106.53	108.17	109.70	110.70	111.00	111.25	111.50	111.75	112.00	112.25	112.50	112.75	113.00	113.25	113.50	113.75	114.00	114.25	114.50
123	105.30	107.89	109.53	111.06	112.06	112.36	112.61	112.86	113.11	113.36	113.61	113.86	114.11	114.36	114.61	114.86	115.11	115.36	115.61	115.86
124	106.66	109.25	110.89	112.42	113.42	113.72	113.97	114.22	114.47	114.72	114.97	115.22	115.47	115.72	115.97	116.22	116.47	116.72	116.97	117.22
125	108.02	110.61	112.25	113.78	114.78	115.08	115.33	115.58	115.83	116.08	116.33	116.58	116.83	117.08	117.33	117.58	117.83	118.08	118.33	118.58
126	109.38	111.97	113.61	115.14	116.14	116.44	116.69	116.94	117.19	117.44	117.69	117.94	118.19	118.44	118.69	118.94	119.19	119.44	119.69	119.94
127	110.74	113.33	114.97	116.50	117.50	117.80	118.05	118.30	118.55	118.80	119.05	119.30	119.55	119.80	120.05	120.30	120.55	120.80	121.05	121.30
128	112.10	114.69	116.33	117.86	118.86	119.16	119.41	119.66	119.91	120.16	120.41	120.66	120.91	121.16	121.41	121.66	121.91	122.16	122.41	122.66
129	113.46	116.05	117.69	119.22	120.22	120.52	120.77	121.02	121.27	121.52	121.77	122.02	122.27	122.52	122.77	123.02	123.27	123.52	123.77	124.02
130	114.82	117.41	119.05	120.58	121.58	121.88	122.13	122.38	122.63	122.88	123.13	123.38	123.63	123.88	124.13	124.38	124.63	124.88	125.13	125.38
131	116.18	118.77	120.41	121.94	122.94	123.24	123.49	123.74	123.99	124.24	124.49	124.74	124.99	125.24	125.49	125.74	125.99	126.24	126.49	126.74
132	117.54	120.13	121.77	123.30	124.30	124.60	124.85	125.10	125.35	125.60	125.85	126.10	126.35	126.60	126.85	127.10	127.35	127.60	127.85	128.10
133	118.90	121.49	123.13	124.66	125.66	125.96	126.21	126.46	126.71	126.96	127.21	127.46	127.71	127.96	128.21	128.46	128.71	128.96	129.21	129.46
134	120.26	122.85	124.49	126.02	127.02	127.32	127.57	127.82	128.07	128.32	128.57	128.82	129.07	129.32	129.57	129.82	130.07	130.32	130.57	130.82
135	121.62	124.21	125.85	127.38	128.38	128.68	128.93	129.18	129.43	129.68	129.93	130.18	130.43	130.68	130.93	131.18	131.43	131.68	131.93	132.18
136	122.98	125.57	127.21	128.74	129.74	130.04	130.29	130.54	130.79	131.04	131.29	131.54	131.79	132.04	132.29	132.54	132.79	133.04	133.29	133.54
137	124.34	126.93	128.57	130.10	131.10	131.40	131.65	131.90	132.15	132.40	132.65	132.90	133.15	133.40	133.65	133.90	134.15	134.40	134.65	134.90
138	125.70	128.29	129.93	131.46	132.46	132.76	133.01	133.26	133.51	133.76	134.01	134.26	134.51	134.76	135.01	135.26	135.51	135.76	136.01	136.26
139	127.06	129.65	131.29	132.82	133.82	134.12	134.37	134.62	134.87	135.12	135.37	135.62	135.87	136.12	136.37	136.62	136.87	137.12	137.37	137.62
140	128.42	131.01	132.65	134.18	135.18	135.48	135.73	135.98	136.23	136.48	136.73	136.98	137.23	137.48	137.73	137.98	138.23	138.48	138.73	138.98
141	129.78	132.37	134.01	135.54	136.54	136.84	137.09	137.34	137.59	137.84	138.09	138.34	138.59	138.84	139.09	139.34	139.59	139.84	140.09	140.34
142	131.14	133.73	135.37	136.90	137.90	138.20	138.45	138.70	138.95	139.20	139.45	139.70	139.95	140.20	140.45	140.70	140.95	141.20	141.45	141.70
143	132.50	135.09	136.73	138.26	139.26	139.56	139.81	140.06	140.31	140.56	140.81	141.06	141.31	141.56	141.81	142.06	142.31	142.56	142.81	143.06
144	133.86	136.45	138.09	139.62	140.62	140.92	141.17	141.42	141.67	141.92	142.17	142.42	142.67	142.92	143.17	143.42	143.67	143.92	144.17	144.42
145	135.22	137.81	139.45	140.98	141.98	142.28	142.53	142.78	143.03	143.28	143.53	143.78	144.03	144.28	144.53	144.78	145.03	145.28	145.53	145.78
146	136.58	139.17	140.81	142.34	143.34	143.64	143.89	144.14	144.39	144.64	144.89	145.14	145.39	145.64	145.89	146.14	146.39	146.64	146.89	147.14
147	137.94	140.53	142.17	143.70	144.70	145.00	145.25	145.50	145.75	146.00	146.25	146.50	146.75	147.00	147.25	147.50	147.75	148.00	148.25	148.50
148	139.30	141.89	143.53	145.06	146.06	146.36	146.61	146.86	147.11	147.36	147.61	147.86	148.11	148.36	148.61	148.86	149.11	149.36	149.61	149.86
149	140.66	143.25	144.89	146.42	147.42	147.72	147.97	148.22	148.47	148.72	148.97	149.22	149.47	149.72	149.97	150.22	150.47	150.72	150.97	151.22
150	142.02	144.61	146.25	147.78	148.78	149.08	149.33	149.58	149.83	150.08	150.33	150.58	150.83	151.08	151.33	151.58	151.83	152.08	152.33	152.58
151	143.38	145.97	147.61	149.14	150.14	150.44	150.69	150.94	151.19	151.44	151.69	151.94	152.19	152.44	152.69	152.94	153.19	153.44	153.69	153.94
152	144.74	147.33	148.97	150.50	151.50	151.80	152.05													

DATE: 5/14/77

RADIAL DISTANCE 150

PAGE 1

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

FREQ	ANGLES FROM INLET									
	1.0	2.0	30.2	40.0	54.2	67.0	75.0	87.2	92.0	100.0
5	-5.80	-4.28	-2.51	-6.02	-0.41	2.15	2.38	5.49	9.93	
6	-8.99	-4.40	-2.76	-5.59	0.00	1.71	3.02	5.38	9.41	
7	-5.04	-5.00	-2.95	-5.67	0.01	1.47	3.06	5.38	9.96	
125	-6.66	-4.54	-2.13	-5.73	0.11	1.38	3.08	5.00	8.73	
125	-9.67	-6.68	-2.71	-5.74	0.19	1.47	3.19	5.18	9.44	
200	-8.81	-4.04	-1.93	-5.07	0.18	1.46	3.08	5.12	9.39	
220	-8.60	-4.83	-1.90	-5.36	0.17	1.46	3.08	5.12	9.39	
250	-5.49	0.82	-1.98	-5.49	0.17	1.46	3.08	5.12	9.39	
315	-2.67	-4.74	-2.17	-5.78	0.14	1.35	4.54	7.82	9.34	
400	-3.11	-4.63	-1.39	-5.38	0.17	1.46	3.08	5.12	9.39	
500	-3.28	-5.03	-2.04	-5.04	0.17	1.46	3.08	5.12	9.39	
630	-1.83	-3.04	-1.04	-2.47	0.17	1.46	3.08	5.12	9.39	
800	-1.11	-4.89	-1.10	-1.37	0.17	1.46	3.08	5.12	9.39	
1000	-1.12	-3.84	-1.04	-3.68	0.17	1.46	3.08	5.12	9.39	
1250	-1.12	-3.84	-1.04	-3.68	0.17	1.46	3.08	5.12	9.39	
1600	-2.35	-3.82	-1.04	-3.68	0.17	1.46	3.08	5.12	9.39	
2000	-1.70	-3.84	-1.04	-3.68	0.17	1.46	3.08	5.12	9.39	
3150	-1.03	-4.84	-1.04	-3.68	0.17	1.46	3.08	5.12	9.39	
4000	-3.12	-3.49	-1.03	-3.68	0.17	1.46	3.08	5.12	9.39	
5000	-2.30	-3.49	-1.03	-3.68	0.17	1.46	3.08	5.12	9.39	
6300	-2.69	-3.49	-1.03	-3.68	0.17	1.46	3.08	5.12	9.39	
8000	-2.49	-4.18	-1.03	-3.68	0.17	1.46	3.08	5.12	9.39	
10000	-1.71	-4.86	-1.03	-3.68	0.17	1.46	3.08	5.12	9.39	

E125

Ambient Temp 45.07
 Wetbulb Temp 33.40
 Bar Pressure 29.11
 Air Humidity 2.78

FAA FAC/CC-PRESS-R - PHASE 50 - MC 10VS 9 DEG CLOSED T/D 2/23/78

DATE 5/14/77 SPEED 0.000

DATE: 3/25/70

RADIAL DISTANCE 150

PAGE 1

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY

ANGLES FROM INLET

FREQ.	7.0	10.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	(PWL)
50	75.53	77.79	79.48	75.26	89.62	81.29	83.84	87.24	91.33	134.9									
63	76.33	77.92	79.60	75.80	81.00	82.30	84.71	87.91	92.06	138.7									
80	76.11	77.70	78.33	76.44	81.53	83.84	85.49	88.33	92.18	134.2									
100	75.09	76.84	78.03	77.31	81.48	84.37	87.15	89.87	92.17	134.9									
125	77.26	80.99	83.79	81.28	86.90	89.41	89.04	90.10	91.32	139.0									
150	76.24	78.94	82.08	78.84	87.06	89.29	86.90	87.00	88.30	137.0									
200	74.66	74.32	76.18	73.83	78.69	79.38	81.48	83.83	82.41	138.5									
250	73.26	73.65	77.19	72.86	80.84	79.18	79.83	81.84	81.43	138.5									
315	73.79	73.41	78.94	74.98	82.38	82.28	84.08	86.99	83.21	134.1									
400	81.14	78.99	82.39	79.38	88.61	77.49	88.13	89.19	88.43	138.1									
500	81.22	82.23	84.42	80.24	86.05	87.38	88.24	90.82	89.74	138.6									
630	80.67	81.64	82.94	78.66	84.19	85.88	86.34	86.94	86.79	134.3									
800	80.29	81.86	83.26	76.31	83.89	85.27	85.33	89.11	83.82	137.9									
1000	81.83	84.40	85.78	80.47	85.59	85.56	87.05	87.83	86.86	137.7									
1250	83.31	86.18	86.29	81.39	85.66	86.88	87.37	88.71	85.12	130.3									
1600	85.82	88.04	87.09	82.82	86.97	86.71	87.68	88.11	86.08	130.2									
2000	86.24	89.90	89.33	82.59	87.17	85.39	85.88	83.49	82.78	130.8									
2500	85.68	89.35	83.97	79.82	84.61	84.48	83.11	88.22	79.86	130.3									
3150	83.93	87.81	88.39	80.27	81.87	80.79	83.30	81.95	82.99	130.6									
4000	86.34	89.24	88.84	85.28	88.78	88.07	87.89	83.89	84.49	141.3									
5000	88.63	90.48	87.48	91.33	100.19	86.39	94.61	88.37	88.79	149.9									
6300	81.50	88.58	89.95	84.56	91.33	89.32	86.47	83.30	82.81	148.8									
8000	83.33	91.12	88.18	86.83	90.29	90.88	87.88	82.83	83.89	148.6									
10000	87.24	93.88	91.39	87.17	91.89	92.77	90.62	84.43	84.71	147.1									
MEASURED OARPL	100.12	101.9	102.8	96.97	104.3	102.4	102.4	102.1	103.3										
CALCULATED OARPL	99.39	101.7	101.7	96.56	103.0	101.5	101.5	101.7	101.7										
PNDB	114.5	110.1	116.7	111.2	118.9	116.1	115.4	112.1	112.3										

E126

OARPL: 134.9

AMBIENT TEMP: 45.80
WET-BULB TEMP: 35.40
BAR. PRESSURE: 29.11
AIR HUMIDITY: 7.988

FAA FAN/COMPRESSOR - PHASE 3B + 5C 10VS 9 DEG CLOSED Y/C 2/23/70

RUN=15 MD=199 SPEED=9300

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

R.FREQ.	ANGLES FROM INLET											
	7.2	12.2	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0
50	-6.87	-3.81	-2.12	-6.34	-1.84	-3.12	2.33	5.09	9.73			
60	-6.82	-4.41	-2.68	-6.46	-1.84	-3.12	2.33	5.09	9.73			
80	-6.83	-4.95	-2.42	-6.31	-1.17	-1.47	2.72	5.38	9.40			
100	-7.41	-4.56	-2.37	-6.09	-1.06	-1.64	2.74	5.09	9.73			
120	-8.79	-5.06	-2.26	-4.77	-1.25	-1.65	2.97	4.93	9.41			
140	-7.13	-4.75	-1.67	-4.06	-1.08	-1.82	3.20	4.77	9.40			
160	-3.23	-2.77	-1.83	-2.33	-1.08	-2.33	3.20	4.77	9.40			
180	-3.14	-3.14	-1.99	-4.73	-1.09	-2.38	3.20	4.77	9.40			
200	-4.08	-4.08	-1.40	-5.37	-1.09	-1.93	4.38	6.01	4.06			
220	-3.09	-4.23	-1.03	-4.72	-1.34	-1.63	3.91	6.01	4.06			
240	-3.40	-4.40	-1.03	-4.40	-1.03	-1.63	3.91	6.01	4.06			
260	-1.59	-4.19	-0.71	-3.51	-1.03	-1.63	4.00	4.06	4.06			
280	-1.30	-3.11	-0.59	-2.34	-0.43	-2.21	4.00	4.06	4.06			
300	-1.36	-1.98	-2.43	-0.99	-2.43	-0.99	4.10	3.00	2.01			
320	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
340	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
360	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
380	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
400	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
420	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
440	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
460	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
480	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
500	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
520	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
540	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
560	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
580	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
600	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
620	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
640	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
660	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
680	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
700	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
720	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
740	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
760	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
780	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
800	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
820	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
840	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
860	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
880	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
900	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
920	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
940	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
960	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
980	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			
1000	-1.35	-1.35	-1.35	-1.35	-1.35	-1.35	4.10	3.00	2.01			

E127

AMBIENT TEMP, 45.00
WET-BULB TEMP, 35.40
BAR. PRESSURE, 20.11
ABS. HUMIDITY, 2.708

FAA FAN/COMPRESSOR - PHASE 50 - SC IGVS 9 DEG CLOSED T/D 2/83/78

RUN=15 RQ=195 SPEED=8380

SOUND PRESSURE LEVELS REDUCED AT STANDARD DAY									
FREQ	ANGLES FROM INLET								
	7.0	10.0	20.0	30.0	40.0	50.0	60.0	75.0	90.0 (PNL)
50	76.38	77.77	79.67	76.81	81.44	81.79	84.31	77.63	88.13
63	74.74	76.81	79.02	75.58	81.24	83.08	85.22	80.43	93.37
80	76.83	78.94	81.30	77.38	83.39	84.19	86.25	80.15	92.88
100	75.91	78.34	81.98	78.29	84.89	85.19	87.78	82.06	92.93
125	78.70	82.26	82.87	85.42	88.38	88.31	89.19	85.94	91.49
160	79.87	83.79	83.66	81.38	89.83	89.48	89.88	86.73	91.47
200	73.74	78.83	77.19	73.87	76.46	78.87	81.28	80.98	81.93
250	75.76	77.29	76.24	72.76	77.59	78.28	79.47	80.58	82.19
315	80.19	77.39	80.94	77.82	82.49	83.63	85.39	87.29	86.88
400	81.89	80.88	84.36	81.88	88.18	88.89	89.78	88.53	89.72
500	81.21	81.47	84.38	81.38	88.14	88.88	89.77	88.23	89.81
630	80.27	82.83	84.13	80.67	84.38	85.19	86.77	87.87	86.88
800	88.48	80.43	86.31	81.82	88.84	87.37	84.84	86.48	84.19
1000	83.14	85.39	86.21	81.31	86.26	86.61	88.44	87.31	87.48
1250	89.11	88.88	87.83	82.39	86.58	86.83	89.87	88.78	84.77
1600	87.92	88.04	88.29	85.88	87.49	87.88	87.88	87.00	89.77
2000	89.89	89.77	87.86	86.86	88.87	88.86	86.86	83.86	82.83
2500	84.95	88.09	86.38	81.83	84.28	84.28	82.88	82.31	79.88
3150	82.78	86.33	88.11	81.41	86.41	87.39	85.81	81.88	82.81
4000	84.98	88.88	91.27	86.48	88.88	89.88	85.81	86.88	84.81
5000	90.67	91.21	90.23	90.37	100.4	94.88	93.78	87.88	87.91
6300	98.92	91.89	98.84	88.39	93.89	98.89	86.81	83.73	83.76
8000	89.29	91.87	98.18	88.11	88.88	89.88	86.18	88.88	84.14
10000	87.28	94.61	93.18	88.48	98.86	91.78	88.47	83.99	84.48
MEASURED DASPL	100.0	100.0	100.0	99.17	104.3	108.0	108.7	102.7	123.9
CALCULATED DASPL	102.2	108.6	102.7	98.88	103.7	108.0	101.7	101.1	108.2
PNDB	114.9	117.0	116.8	122.8	140.0	119.9	115.2	111.0	112.3

QAPHL: 100.0

QAPHL: 100.0

AMBIENT TEMP: 45.00

WET-BULB TEMP: 35.40

BAR. PRESSURE 29.11

AHS. HUMIDITY 2.988

FAN FAN/COMPRESSOR - PHASE 50 - 50 10VS 0 DEG CLOSED T/D 2/23/70

RUN:15 RDG:196 SPEED:8980

DATE: 3/25/72

RADIAL DISTANCE 150

PAGE: 8

SOUND PRESSURE LEVELS DIRECTIVITY INDEX

	15.0	20.0	30.0	40.0	50.0	60.0	70.0	80.0	90.0	100.0	110.0	120.0	130.0	140.0	150.0	160.0	170.0	180.0
ANGLE FROM INLET	0.0	15.0	30.0	45.0	60.0	75.0	90.0	105.0	120.0	135.0	150.0	165.0	180.0	195.0	210.0	225.0	240.0	255.0
500	-3.83	-4.17	-2.34	-6.20	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
63	-0.48	-0.16	-2.15	-6.07	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
80	-0.62	-0.16	-2.15	-6.07	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
100	-0.86	-0.63	-2.39	-5.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
125	-0.73	-0.26	-3.45	-5.18	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
160	-0.47	-0.34	-4.48	-6.79	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
200	-0.59	-0.78	-1.01	-8.01	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
250	-1.243	-1.72	1.265	-3.25	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
315	-1.04	-1.63	1.19	-4.2	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
400	-1.04	-1.63	1.19	-4.2	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
500	-1.14	-1.77	1.322	-2.14	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
630	-1.24	-2.171	1.363	-4.03	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
800	-1.82	-1.235	2.004	-2.85	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1000	-1.82	-1.235	2.004	-2.85	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1250	-1.82	-1.235	2.004	-2.85	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
1600	-1.82	-1.235	2.004	-2.85	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
2000	-1.82	-1.235	2.004	-2.85	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
2500	-1.82	-1.235	2.004	-2.85	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
3150	-1.82	-1.235	2.004	-2.85	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
4000	-1.82	-1.235	2.004	-2.85	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
5000	-1.82	-1.235	2.004	-2.85	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
6300	-1.82	-1.235	2.004	-2.85	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
8000	-1.82	-1.235	2.004	-2.85	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00
10000	-1.82	-1.235	2.004	-2.85	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00	-1.00

3120

AMBIENT TEMP: 49.02
NET-BULB TEMP: 35.49
BAR: PRESSURE 29.11
ABS: HUMIDITY 2.768

FAA FAN/COMPRESSOR - PHASE 90 - 5C 1QVS 9 DEG CLOSED Y/D 2/23/78

RUN#15 ARG#196 SPEED#0908